

Product code	Description
<b>COP-001KT</b>	<b>ONE Pesticide420 TM kit</b>
Components:	
COP-Cal-01	ONE Pesticide420 TM Calibrator 1
COP-Cal-02	ONE Pesticide420 TM Calibrator 2
COP-Cal-03	ONE Pesticide420 TM Calibrator 3
COP-Cal-04	ONE Pesticide420 TM Calibrator 4
COP-Cal-05	ONE Pesticide420 TM Calibrator 5
COP-Cal-06	ONE Pesticide420 TM Calibrator 6
COP-Cal-07	ONE Pesticide420 TM Calibrator 7
COP-Cal-08	ONE Pesticide420 TM Calibrator 8
COP-QC-01	ONE Pesticide420 TM Quality Control 1
COP-QC-02	ONE Pesticide420 TM Quality Control 2
COP-QC-03	ONE Pesticide420 TM Quality Control 3
COP-StockCal	ONE Pesticide420 TM Stock Calibrator
COP-IntStd	ONE Pesticide420 TM Internal Standard

Hazardous according to criteria of Australian Safety and Compensation Council.

## 1 Identification

- **Product identifier**
- **Trade name:** ONE Pesticide420 TM Calibrator 1
- **Product number:** COP-Cal-01
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Product category** PC21 Laboratory chemicals
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
PerkinElmer Inc  
549 Albany St  
Boston, MA 02118  
PerkinElmer Inc  
549 Albany St  
Boston, MA 02118 USA  
Supplier/Local:  
-----  
PerkinElmer Australia  
Lvl 2, Bldg 5, Brandon Office Park  
530-540 Springvale Road  
Glen Waverley  
Melbourne  
VIC 3150  
Australia
  - **Emergency telephone number:**  
CHEMTREC (within US) 800-424-9300  
CHEMTREC (from outside US) 1(703)-527-3887
  - **Local Emergency Number CHEMTREC - (Within Australia) +(61)-290372994**
- **Further information obtainable from:**  
US Technical Support  
800-762-4000

## 2 Hazard(s) Identification

- **Classification of the substance or mixture**  
Flam. Liq. 2 H225 Highly flammable liquid and vapour.  
Acute Tox. 4 H312 Harmful in contact with skin.  
Acute Tox. 4 H332 Harmful if inhaled.  
Eye Irrit. 2A H319 Causes serious eye irritation.
- **Additional information:** For the wording of the relevant risk phrases refer to section 16.  
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- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

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Printing date 07.09.2021

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· **Hazard pictograms**

GHS02 GHS07

· **Signal word** *Danger*· **Hazard-determining components of labelling:***acetonitrile*· **Hazard statements***Highly flammable liquid and vapour.**Harmful in contact with skin.**Harmful if inhaled.**Causes serious eye irritation.*· **Precautionary statements***Keep away from heat/sparks/open flames/hot surfaces. No smoking.**Use explosion-proof electrical/ventilating/lighting equipment.**Avoid breathing dust/fume/gas/mist/vapours/spray.**IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.**IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.**Continue rinsing.**Dispose of contents/container in accordance with local/regional/national/international regulations.*· **Other hazards**· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

· **Chemical characterisation:** *Mixtures*· **Description:** *Mixture of substances listed below with nonhazardous additions.*· **Dangerous components:**

75-05-8	acetonitrile	75-100%
	Flam. Liq. 2, H225;             Acute Tox. 4, H302, Acute Tox. 4, H312, Acute Tox. 4, H332;            Eye Irrit. 2, H319	

· **Additional information:** *For the wording of the relevant risk phrases refer to section 16.*

### 4 First Aid Measures

· **Description of first aid measures**· **General information:***Immediately remove any clothing soiled by the product.**Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.*· **After inhalation:***Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.**In case of unconsciousness place patient stably in side position for transportation.*· **After skin contact:** *Immediately rinse with water.*

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- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and containers:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.

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- **Storage class:** 3
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

**75-05-8 acetonitrile (75-100%)**

WES	Short-term value: 101 mg/m <sup>3</sup> , 60 ppm
	Long-term value: 67 mg/m <sup>3</sup> , 40 ppm
Sk	

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
 Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing  
 Wash hands before breaks and at the end of work.  
 Avoid contact with the eyes.  
 Avoid contact with the eyes and skin.
- **Respiratory protection:**  
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.  
 Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**  
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

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### 9 Physical and Chemical Properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Liquid
Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/freezing point:	-46 °C
Initial boiling point and boiling range:	Undetermined.
· Flash point:	5 °C
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	525 °C
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Explosion limits:	
Lower:	4.4 Vol %
Upper:	16 Vol %
· Vapour pressure at 20 °C:	97 hPa
· Density at 20 °C:	0.7822 g/cm <sup>3</sup>
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	
	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	0.0 %
Solids content:	100.0 %
· Other information	No further relevant information available.

### 10 Stability and Reactivity

- Reactivity No further relevant information available.
- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

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- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

· <b>LD/LC50 values relevant for classification:</b>		
<b>75-05-8 acetonitrile</b>		
Oral	LD50	2,730 mg/kg (rat)
Dermal	LD50	1,250 mg/kg (rabbit)
<b>2921-88-2 chlorpyrifos (ISO)</b>		
Oral	LD50	135 mg/kg (rat)
Dermal	LD50	202 mg/kg (rat)
<b>7786-34-7 mevinphos (ISO)</b>		
Oral	LD50	4 mg/kg (rat)
Dermal	LD50	4 mg/kg (rat)
<b>285138-81-0 Chlorpyrifos (Diethyl-d10) (ISO)</b>		
Oral	LD50	135 mg/kg (rat)
Dermal	LD50	202 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** Irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Harmful  
Irritant

### 12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Must be specially treated adhering to official regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

· <b>UN-Number</b> · <b>ADG, IMDG, IATA</b>	UN1993
· <b>UN proper shipping name</b> · <b>ADG</b>  · <b>IMDG</b>  · <b>IATA</b>	1993 FLAMMABLE LIQUID, N.O.S. (ACETONITRILE), ENVIRONMENTALLY HAZARDOUS FLAMMABLE LIQUID, N.O.S. (ACETONITRILE, Bifenthrin (ISO)), MARINE POLLUTANT FLAMMABLE LIQUID, N.O.S. (ACETONITRILE)
· <b>Transport hazard class(es)</b> · <b>ADG, IMDG</b>	
 	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>IATA</b>	
	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>Packing group</b> · <b>ADG, IMDG, IATA</b>	II
· <b>Environmental hazards:</b> · <b>Marine pollutant:</b> · <b>Special marking (ADG):</b>	Symbol (fish and tree) Symbol (fish and tree)
· <b>Special precautions for user</b> · <b>Hazard identification number (Kemler code):</b> · <b>EMS Number:</b> · <b>Segregation groups</b>  · <b>Stowage Category</b>	Warning: Flammable liquids. 33 F-E, S-E Heavy metals and their salts (including their organometallic compounds) B

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· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	D/E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	UN 1993 FLAMMABLE LIQUID, N.O.S. (ACETONITRILE), 3, II, ENVIRONMENTALLY HAZARDOUS

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· <b>Australian Inventory of Industrial Chemicals</b>		
75-05-8	acetonitrile	
64-18-6	formic acid	
67-56-1	methanol	
51-03-6	Piperonylbutoxide	
113-48-4	MGK 264	
121-20-0	cinerin II	
121-21-1	2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl [1R-[1alpha[S*(Z)],3beta]]-chrysanthemate	
121-29-9	2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl[1R-[1alpha[S*(Z)](3beta)-3-(3-methoxy-2-methyl-3-oxoprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate	
133-06-2	captan (ISO)	
1172-63-0	Jasmolin II	
4466-14-2	Jasmolin I	
25402-06-6	cinerin I	
52645-53-1	permethrin (ISO)	
60207-90-1	propiconazole	
· <b>Standard for the Uniform Scheduling of Medicines and Poisons</b>		
64-18-6	formic acid	S5
67-56-1	methanol	S5, S6
56-72-4	coumaphos (ISO)	S6, S7
60-51-5	dimethoate (ISO)	S6
62-73-7	dichlorvos (ISO)	S5, S6, S7

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63-25-2	carbaryl (ISO)	S4, S5, S6
82-68-8	quintozene (ISO)	S5
114-26-1	propoxur (ISO)	S5, S6
116-06-3	aldicarb (ISO)	S7
121-75-5	malathion (ISO)	S3, S5, S6
133-06-2	captan (ISO)	S6
298-00-0	parathion -methyl (ISO)	S6, S7
300-76-5	naled (ISO)	S5, S6
333-41-5	diazinon (ISO)	S5, S6
732-11-6	phosmet (ISO)	S6
1563-66-2	carbofuran (ISO)	S7
1596-84-5	daminozide	S5
2032-65-7	mercaptopdimethur (ISO)	S5, S6, S7
2921-88-2	chlorpyrifos (ISO)	S5, S6
7786-34-7	mevinphos (ISO)	S7
13194-48-4	ethoprophos (ISO)	S6, S7
16752-77-5	methomyl	S6, S7
23031-36-9	prallethrin	S5, S6
23135-22-0	N,N'-dimethylcarbamoyl(methylthio)methylenamine N-methylcarbamate	S7
30560-19-1	acephate (ISO)	S6
35554-44-0	imazalil (ISO)	S5
52645-53-1	permethrin (ISO)	S4, S5, S6
57837-19-1	metalaxyl (ISO)	S5, S6
60207-90-1	propiconazole	S5, S6
68359-37-5	alpha-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	S5, S6

· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**



GHS02 GHS07

· **Signal word** Danger

· **Hazard-determining components of labelling:**

acetonitrile

· **Hazard statements**

Highly flammable liquid and vapour.

Harmful in contact with skin.

Harmful if inhaled.

Causes serious eye irritation.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Use explosion-proof electrical/ventilating/lighting equipment.

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Avoid breathing dust/fume/gas/mist/vapours/spray.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category**

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

The information provided in this Safety Data Sheet is based on our present knowledge, and believed to be correct at the date of publication. However, no representation is made concerning its accuracy and completeness. It is intended as guidance only, and is not to be considered a warranty or quality specification. All materials may present unknown hazards, and should be used with caution. Although certain hazards are described, we cannot guarantee that these are the only hazards which exist. PerkinElmer, Inc. shall not be held liable for any damage resulting from handling or from contact with the product.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

· **Contact:**

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Acute Tox. 4: Acute toxicity – Category 4

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

*Hazardous according to criteria of Australian Safety and Compensation Council.*

## 1 Identification

- **Product identifier**
- **Trade name:** ONE Pesticide420 TM Calibrator 2
- **Product number:** COP-Cal-02
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Product category** PC21 Laboratory chemicals
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
PerkinElmer Inc  
549 Albany St  
Boston, MA 02118  
PerkinElmer Inc  
549 Albany St  
Boston, MA 02118 USA  
Supplier/Local:  
-----  
PerkinElmer Australia  
Lvl 2, Bldg 5, Brandon Office Park  
530-540 Springvale Road  
Glen Waverley  
Melbourne  
VIC 3150  
Australia
  - **Emergency telephone number:**  
CHEMTREC (within US) 800-424-9300  
CHEMTREC (from outside US) 1(703)-527-3887
  - **Local Emergency Number CHEMTREC - (Within Australia) +(61)-290372994**
- **Further information obtainable from:**  
US Technical Support  
800-762-4000

## 2 Hazard(s) Identification

- **Classification of the substance or mixture**  
Flam. Liq. 2 H225 Highly flammable liquid and vapour.  
Acute Tox. 4 H312 Harmful in contact with skin.  
Acute Tox. 4 H332 Harmful if inhaled.  
Eye Irrit. 2A H319 Causes serious eye irritation.
- **Additional information:** For the wording of the relevant risk phrases refer to section 16.  
-----
- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

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· **Hazard pictograms**

GHS02 GHS07

· **Signal word** *Danger*· **Hazard-determining components of labelling:***acetonitrile*· **Hazard statements***Highly flammable liquid and vapour.**Harmful in contact with skin.**Harmful if inhaled.**Causes serious eye irritation.*· **Precautionary statements***Keep away from heat/sparks/open flames/hot surfaces. No smoking.**Use explosion-proof electrical/ventilating/lighting equipment.**Avoid breathing dust/fume/gas/mist/vapours/spray.**IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.**IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.**Continue rinsing.**Dispose of contents/container in accordance with local/regional/national/international regulations.*· **Other hazards**· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

· **Chemical characterisation:** *Mixtures*· **Description:** *Mixture of substances listed below with nonhazardous additions.*· **Dangerous components:**

75-05-8	acetonitrile	75-100%
	Flam. Liq. 2, H225;  Acute Tox. 4, H302, Acute Tox. 4, H312, Acute Tox. 4, H332; Eye Irrit. 2, H319	

· **Additional information:** *For the wording of the relevant risk phrases refer to section 16.*

### 4 First Aid Measures

· **Description of first aid measures**· **General information:***Immediately remove any clothing soiled by the product.**Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.*· **After inhalation:***Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.**In case of unconsciousness place patient stably in side position for transportation.*· **After skin contact:** *Immediately rinse with water.*

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**Trade name: ONE Pesticide420 TM Calibrator 2**

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- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and containers:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.

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# Safety Data Sheet

## according to WHS Regulations

Printing date 07.09.2021

Revision: 03.05.2021

Trade name: ONE Pesticide420 TM Calibrator 2

(Contd. of page 3)

- **Storage class:** 3
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

75-05-8 acetonitrile (75-100%)

WES	Short-term value: 101 mg/m <sup>3</sup> , 60 ppm
	Long-term value: 67 mg/m <sup>3</sup> , 40 ppm
Sk	

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
 Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing  
 Wash hands before breaks and at the end of work.  
 Avoid contact with the eyes.  
 Avoid contact with the eyes and skin.
- **Respiratory protection:**  
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.  
 Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**  
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

AU

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## Safety Data Sheet according to WHS Regulations

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Revision: 03.05.2021

Trade name: ONE Pesticide420 TM Calibrator 2

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### 9 Physical and Chemical Properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Liquid
Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/freezing point:	-46 °C
Initial boiling point and boiling range:	Undetermined.
· Flash point:	5 °C
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	525 °C
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Explosion limits:	
Lower:	4.4 Vol %
Upper:	16 Vol %
· Vapour pressure at 20 °C:	97 hPa
· Density at 20 °C:	0.7822 g/cm <sup>3</sup>
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	
	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	0.0 %
Solids content:	100.0 %
· Other information	No further relevant information available.

### 10 Stability and Reactivity

- Reactivity No further relevant information available.
- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

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# Safety Data Sheet

## according to WHS Regulations

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Trade name: ONE Pesticide420 TM Calibrator 2

(Contd. of page 5)

- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

- **LD/LC50 values relevant for classification:**

**75-05-8 acetonitrile**

Oral	LD50	2,730 mg/kg (rat)
Dermal	LD50	1,250 mg/kg (rabbit)

**2921-88-2 chlorpyrifos (ISO)**

Oral	LD50	135 mg/kg (rat)
Dermal	LD50	202 mg/kg (rat)

**7786-34-7 mevinphos (ISO)**

Oral	LD50	4 mg/kg (rat)
Dermal	LD50	4 mg/kg (rat)

**285138-81-0 Chlorpyrifos (Diethyl-d10) (ISO)**

Oral	LD50	135 mg/kg (rat)
Dermal	LD50	202 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** Irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful  
Irritant

### 12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

AU

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# Safety Data Sheet

according to WHS Regulations

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Trade name: ONE Pesticide420 TM Calibrator 2

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## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Must be specially treated adhering to official regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

· <b>UN-Number</b> · <b>ADG, IMDG, IATA</b>	UN1993
· <b>UN proper shipping name</b> · <b>ADG</b>  · <b>IMDG</b>  · <b>IATA</b>	1993 FLAMMABLE LIQUID, N.O.S. (ACETONITRILE), ENVIRONMENTALLY HAZARDOUS FLAMMABLE LIQUID, N.O.S. (ACETONITRILE, Bifenthrin (ISO)), MARINE POLLUTANT FLAMMABLE LIQUID, N.O.S. (ACETONITRILE)
· <b>Transport hazard class(es)</b> · <b>ADG, IMDG</b>	
 	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>IATA</b>	
	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>Packing group</b> · <b>ADG, IMDG, IATA</b>	II
· <b>Environmental hazards:</b> · <b>Marine pollutant:</b> · <b>Special marking (ADG):</b>	Symbol (fish and tree) Symbol (fish and tree)
· <b>Special precautions for user</b> · <b>Hazard identification number (Kemler code):</b> · <b>EMS Number:</b> · <b>Segregation groups</b>  · <b>Stowage Category</b>	Warning: Flammable liquids. 33 F-E, S-E Heavy metals and their salts (including their organometallic compounds) B

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Trade name: ONE Pesticide420 TM Calibrator 2

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· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	D/E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	UN 1993 FLAMMABLE LIQUID, N.O.S. (ACETONITRILE), 3, II, ENVIRONMENTALLY HAZARDOUS

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· <b>Australian Inventory of Industrial Chemicals</b>		
75-05-8	acetonitrile	
64-18-6	formic acid	
67-56-1	methanol	
51-03-6	Piperonylbutoxide	
113-48-4	MGK 264	
121-20-0	cinerin II	
121-21-1	2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl [1R-[1alpha[S*(Z)],3beta]]-chrysanthemate	
121-29-9	2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl[1R-[1alpha[S*(Z)](3beta)-3-(3-methoxy-2-methyl-3-oxoprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate	
133-06-2	captan (ISO)	
1172-63-0	Jasmolin II	
4466-14-2	Jasmolin I	
25402-06-6	cinerin I	
52645-53-1	permethrin (ISO)	
60207-90-1	propiconazole	
· <b>Standard for the Uniform Scheduling of Medicines and Poisons</b>		
64-18-6	formic acid	S5
67-56-1	methanol	S5, S6
56-72-4	coumaphos (ISO)	S6, S7
60-51-5	dimethoate (ISO)	S6
62-73-7	dichlorvos (ISO)	S5, S6, S7

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63-25-2	carbaryl (ISO)	S4, S5, S6
82-68-8	quintozene (ISO)	S5
114-26-1	propoxur (ISO)	S5, S6
116-06-3	aldicarb (ISO)	S7
121-75-5	malathion (ISO)	S3, S5, S6
133-06-2	captan (ISO)	S6
298-00-0	parathion -methyl (ISO)	S6, S7
300-76-5	naled (ISO)	S5, S6
333-41-5	diazinon (ISO)	S5, S6
732-11-6	phosmet (ISO)	S6
1563-66-2	carbofuran (ISO)	S7
1596-84-5	daminozide	S5
2032-65-7	mercaptopdimethur (ISO)	S5, S6, S7
2921-88-2	chlorpyrifos (ISO)	S5, S6
7786-34-7	mevinphos (ISO)	S7
13194-48-4	ethoprophos (ISO)	S6, S7
16752-77-5	methomyl	S6, S7
23031-36-9	prallethrin	S5, S6
23135-22-0	N,N'-dimethylcarbamoyl(methylthio)methylenamine N-methylcarbamate	S7
30560-19-1	acephate (ISO)	S6
35554-44-0	imazalil (ISO)	S5
52645-53-1	permethrin (ISO)	S4, S5, S6
57837-19-1	metalaxyl (ISO)	S5, S6
60207-90-1	propiconazole	S5, S6
68359-37-5	alpha-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	S5, S6

· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**



GHS02 GHS07

· **Signal word** Danger

· **Hazard-determining components of labelling:**

acetonitrile

· **Hazard statements**

Highly flammable liquid and vapour.

Harmful in contact with skin.

Harmful if inhaled.

Causes serious eye irritation.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Use explosion-proof electrical/ventilating/lighting equipment.

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# Safety Data Sheet

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**Trade name: ONE Pesticide420 TM Calibrator 2**

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*Avoid breathing dust/fume/gas/mist/vapours/spray.*

*IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.*

*IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

*Dispose of contents/container in accordance with local/regional/national/international regulations.*

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category**

*E2 Hazardous to the Aquatic Environment*

*P5c FLAMMABLE LIQUIDS*

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

*The information provided in this Safety Data Sheet is based on our present knowledge, and believed to be correct at the date of publication. However, no representation is made concerning its accuracy and completeness. It is intended as guidance only, and is not to be considered a warranty or quality specification. All materials may present unknown hazards, and should be used with caution. Although certain hazards are described, we cannot guarantee that these are the only hazards which exist. PerkinElmer, Inc. shall not be held liable for any damage resulting from handling or from contact with the product.*

· **Relevant phrases**

*H225 Highly flammable liquid and vapour.*

*H302 Harmful if swallowed.*

*H312 Harmful in contact with skin.*

*H319 Causes serious eye irritation.*

*H332 Harmful if inhaled.*

· **Contact:**

· **Abbreviations and acronyms:**

*ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)*

*IMDG: International Maritime Code for Dangerous Goods*

*IATA: International Air Transport Association*

*EINECS: European Inventory of Existing Commercial Chemical Substances*

*ELINCS: European List of Notified Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*Flam. Liq. 2: Flammable liquids – Category 2*

*Acute Tox. 4: Acute toxicity – Category 4*

*Eye Irrit. 2: Serious eye damage/eye irritation – Category 2*

*Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A*

*Hazardous according to criteria of Australian Safety and Compensation Council.*

## 1 Identification

- **Product identifier**
- **Trade name:** ONE Pesticide420 TM Calibrator 3
- **Product number:** COP-Cal-03
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Product category** PC21 Laboratory chemicals
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
PerkinElmer Inc  
549 Albany St  
Boston, MA 02118  
PerkinElmer Inc  
549 Albany St  
Boston, MA 02118 USA  
Supplier/Local:  
-----  
PerkinElmer Australia  
Lvl 2, Bldg 5, Brandon Office Park  
530-540 Springvale Road  
Glen Waverley  
Melbourne  
VIC 3150  
Australia
  - **Emergency telephone number:**  
CHEMTREC (within US) 800-424-9300  
CHEMTREC (from outside US) 1(703)-527-3887
  - **Local Emergency Number CHEMTREC - (Within Australia) +(61)-290372994**
- **Further information obtainable from:**  
US Technical Support  
800-762-4000

## 2 Hazard(s) Identification

- **Classification of the substance or mixture**  
Flam. Liq. 2 H225 Highly flammable liquid and vapour.  
Acute Tox. 4 H312 Harmful in contact with skin.  
Acute Tox. 4 H332 Harmful if inhaled.  
Eye Irrit. 2A H319 Causes serious eye irritation.
- **Additional information:** For the wording of the relevant risk phrases refer to section 16.  
-----
- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

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## · Hazard pictograms



GHS02 GHS07

· Signal word *Danger*

## · Hazard-determining components of labelling:

*acetonitrile*

## · Hazard statements

*Highly flammable liquid and vapour.**Harmful in contact with skin.**Harmful if inhaled.**Causes serious eye irritation.*

## · Precautionary statements

*Keep away from heat/sparks/open flames/hot surfaces. No smoking.**Use explosion-proof electrical/ventilating/lighting equipment.**Avoid breathing dust/fume/gas/mist/vapours/spray.**IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.**IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.**Continue rinsing.**Dispose of contents/container in accordance with local/regional/national/international regulations.*

## · Other hazards

## · Results of PBT and vPvB assessment

· **PBT:** Not applicable.· **vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

· Chemical characterisation: *Mixtures*· **Description:** *Mixture of substances listed below with nonhazardous additions.*

## · Dangerous components:

75-05-8	acetonitrile	75-100%
	Flam. Liq. 2, H225;  Acute Tox. 4, H302, Acute Tox. 4, H312, Acute Tox. 4, H332; Eye Irrit. 2, H319	

· **Additional information:** *For the wording of the relevant risk phrases refer to section 16.*

### 4 First Aid Measures

## · Description of first aid measures

## · General information:

*Immediately remove any clothing soiled by the product.**Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.*

## · After inhalation:

*Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.**In case of unconsciousness place patient stably in side position for transportation.*· **After skin contact:** *Immediately rinse with water.*

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- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and containers:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.

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## according to WHS Regulations

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Trade name: ONE Pesticide420 TM Calibrator 3

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- **Storage class:** 3
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

75-05-8 acetonitrile (75-100%)

WES	Short-term value: 101 mg/m <sup>3</sup> , 60 ppm
	Long-term value: 67 mg/m <sup>3</sup> , 40 ppm
	Sk

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
 Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing  
 Wash hands before breaks and at the end of work.  
 Avoid contact with the eyes.  
 Avoid contact with the eyes and skin.
- **Respiratory protection:**  
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.  
 Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**  
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

AU

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Trade name: ONE Pesticide420 TM Calibrator 3

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### 9 Physical and Chemical Properties

· <b>Information on basic physical and chemical properties</b>	
· <b>General Information</b>	
· <b>Appearance:</b>	
Form:	Liquid
Colour:	According to product specification
· <b>Odour:</b>	Characteristic
· <b>Odour threshold:</b>	Not determined.
· <b>pH-value:</b>	Not determined.
· <b>Change in condition</b>	
Melting point/freezing point:	-46 °C
Initial boiling point and boiling range:	Undetermined.
· <b>Flash point:</b>	5 °C
· <b>Flammability (solid, gas):</b>	Not applicable.
· <b>Ignition temperature:</b>	525 °C
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto-ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <b>Explosion limits:</b>	
Lower:	4.4 Vol %
Upper:	16 Vol %
· <b>Vapour pressure at 20 °C:</b>	97 hPa
· <b>Density at 20 °C:</b>	0.7822 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	
	Not miscible or difficult to mix.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
Dynamic:	Not determined.
Kinematic:	Not determined.
· <b>Solvent content:</b>	
Organic solvents:	0.0 %
Solids content:	100.0 %
· <b>Other information</b>	No further relevant information available.

### 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

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# Safety Data Sheet

## according to WHS Regulations

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Trade name: ONE Pesticide420 TM Calibrator 3

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- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

- **LD/LC50 values relevant for classification:**

**75-05-8 acetonitrile**

Oral	LD50	2,730 mg/kg (rat)
Dermal	LD50	1,250 mg/kg (rabbit)

**2921-88-2 chlorpyrifos (ISO)**

Oral	LD50	135 mg/kg (rat)
Dermal	LD50	202 mg/kg (rat)

**7786-34-7 mevinphos (ISO)**

Oral	LD50	4 mg/kg (rat)
Dermal	LD50	4 mg/kg (rat)

**285138-81-0 Chlorpyrifos (Diethyl-d10) (ISO)**

Oral	LD50	135 mg/kg (rat)
Dermal	LD50	202 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** Irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful  
Irritant

### 12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

AU

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# Safety Data Sheet

according to WHS Regulations

Printing date 07.09.2021

Revision: 03.05.2021




Trade name: ONE Pesticide420 TM Calibrator 3

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## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Must be specially treated adhering to official regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

· <b>UN-Number</b> · <b>ADG, IMDG, IATA</b>	UN1993
· <b>UN proper shipping name</b> · <b>ADG</b>  · <b>IMDG</b>  · <b>IATA</b>	1993 FLAMMABLE LIQUID, N.O.S. (ACETONITRILE), ENVIRONMENTALLY HAZARDOUS FLAMMABLE LIQUID, N.O.S. (ACETONITRILE, Bifenthrin (ISO)), MARINE POLLUTANT FLAMMABLE LIQUID, N.O.S. (ACETONITRILE)
· <b>Transport hazard class(es)</b> · <b>ADG, IMDG</b>	
 	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>IATA</b>	
	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>Packing group</b> · <b>ADG, IMDG, IATA</b>	II
· <b>Environmental hazards:</b> · <b>Marine pollutant:</b> · <b>Special marking (ADG):</b>	Symbol (fish and tree) Symbol (fish and tree)
· <b>Special precautions for user</b> · <b>Hazard identification number (Kemler code):</b> · <b>EMS Number:</b> · <b>Segregation groups</b>	Warning: Flammable liquids. 33 F-E, S-E Heavy metals and their salts (including their organometallic compounds)
· <b>Stowage Category</b>	B

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## Safety Data Sheet

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Trade name: ONE Pesticide420 TM Calibrator 3

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· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	D/E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	UN 1993 FLAMMABLE LIQUID, N.O.S. (ACETONITRILE), 3, II, ENVIRONMENTALLY HAZARDOUS

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· <b>Australian Inventory of Industrial Chemicals</b>		
75-05-8	acetonitrile	
64-18-6	formic acid	
67-56-1	methanol	
51-03-6	Piperonylbutoxide	
113-48-4	MGK 264	
121-20-0	cinerin II	
121-21-1	2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl [1R-[1alpha[S*(Z)],3beta]]-chrysanthemate	
121-29-9	2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl[1R-[1alpha[S*(Z)](3beta)-3-(3-methoxy-2-methyl-3-oxoprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate	
133-06-2	captan (ISO)	
1172-63-0	Jasmolin II	
4466-14-2	Jasmolin I	
25402-06-6	cinerin I	
52645-53-1	permethrin (ISO)	
60207-90-1	propiconazole	
· <b>Standard for the Uniform Scheduling of Medicines and Poisons</b>		
64-18-6	formic acid	S5
67-56-1	methanol	S5, S6
56-72-4	coumaphos (ISO)	S6, S7
60-51-5	dimethoate (ISO)	S6
62-73-7	dichlorvos (ISO)	S5, S6, S7

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Trade name: ONE Pesticide420 TM Calibrator 3

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63-25-2	carbaryl (ISO)	S4, S5, S6
82-68-8	quintozene (ISO)	S5
114-26-1	propoxur (ISO)	S5, S6
116-06-3	aldicarb (ISO)	S7
121-75-5	malathion (ISO)	S3, S5, S6
133-06-2	captan (ISO)	S6
298-00-0	parathion -methyl (ISO)	S6, S7
300-76-5	naled (ISO)	S5, S6
333-41-5	diazinon (ISO)	S5, S6
732-11-6	phosmet (ISO)	S6
1563-66-2	carbofuran (ISO)	S7
1596-84-5	daminozide	S5
2032-65-7	mercaptopdimethur (ISO)	S5, S6, S7
2921-88-2	chlorpyrifos (ISO)	S5, S6
7786-34-7	mevinphos (ISO)	S7
13194-48-4	ethoprophos (ISO)	S6, S7
16752-77-5	methomyl	S6, S7
23031-36-9	prallethrin	S5, S6
23135-22-0	N,N'-dimethylcarbamoyl(methylthio)methylenamine N-methylcarbamate	S7
30560-19-1	acephate (ISO)	S6
35554-44-0	imazalil (ISO)	S5
52645-53-1	permethrin (ISO)	S4, S5, S6
57837-19-1	metalaxyl (ISO)	S5, S6
60207-90-1	propiconazole	S5, S6
68359-37-5	alpha-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	S5, S6

· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**



GHS02 GHS07

· **Signal word** Danger

· **Hazard-determining components of labelling:**

acetonitrile

· **Hazard statements**

Highly flammable liquid and vapour.

Harmful in contact with skin.

Harmful if inhaled.

Causes serious eye irritation.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Use explosion-proof electrical/ventilating/lighting equipment.

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**Trade name: ONE Pesticide420 TM Calibrator 3**

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Avoid breathing dust/fume/gas/mist/vapours/spray.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category**

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

The information provided in this Safety Data Sheet is based on our present knowledge, and believed to be correct at the date of publication. However, no representation is made concerning its accuracy and completeness. It is intended as guidance only, and is not to be considered a warranty or quality specification. All materials may present unknown hazards, and should be used with caution. Although certain hazards are described, we cannot guarantee that these are the only hazards which exist. PerkinElmer, Inc. shall not be held liable for any damage resulting from handling or from contact with the product.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

· **Contact:**

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Acute Tox. 4: Acute toxicity – Category 4

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

*Hazardous according to criteria of Australian Safety and Compensation Council.*

## 1 Identification

- **Product identifier**
- **Trade name:** ONE Pesticide420 TM Calibrator 4
- **Product number:** COP-Cal-04
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Product category** PC21 Laboratory chemicals
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
PerkinElmer Inc  
549 Albany St  
Boston, MA 02118  
PerkinElmer Inc  
549 Albany St  
Boston, MA 02118 USA  
Supplier/Local:  
-----  
PerkinElmer Australia  
Lvl 2, Bldg 5, Brandon Office Park  
530-540 Springvale Road  
Glen Waverley  
Melbourne  
VIC 3150  
Australia
  - **Emergency telephone number:**  
CHEMTREC (within US) 800-424-9300  
CHEMTREC (from outside US) 1(703)-527-3887
  - **Local Emergency Number CHEMTREC - (Within Australia) +(61)-290372994**
- **Further information obtainable from:**  
US Technical Support  
800-762-4000

## 2 Hazard(s) Identification

- **Classification of the substance or mixture**  
Flam. Liq. 2 H225 Highly flammable liquid and vapour.  
Acute Tox. 4 H312 Harmful in contact with skin.  
Acute Tox. 4 H332 Harmful if inhaled.  
Eye Irrit. 2A H319 Causes serious eye irritation.
- **Additional information:** For the wording of the relevant risk phrases refer to section 16.  
-----
- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

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Trade name: ONE Pesticide420 TM Calibrator 4

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## · Hazard pictograms



GHS02 GHS07

· Signal word *Danger*

## · Hazard-determining components of labelling:

*acetonitrile*

## · Hazard statements

*Highly flammable liquid and vapour.**Harmful in contact with skin.**Harmful if inhaled.**Causes serious eye irritation.*

## · Precautionary statements

*Keep away from heat/sparks/open flames/hot surfaces. No smoking.**Use explosion-proof electrical/ventilating/lighting equipment.**Avoid breathing dust/fume/gas/mist/vapours/spray.**IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.**IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.**Continue rinsing.**Dispose of contents/container in accordance with local/regional/national/international regulations.*

## · Other hazards

## · Results of PBT and vPvB assessment

· **PBT:** Not applicable.· **vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

· Chemical characterisation: *Mixtures*· **Description:** *Mixture of substances listed below with nonhazardous additions.*

## · Dangerous components:

75-05-8	acetonitrile	75-100%
	Flam. Liq. 2, H225;  Acute Tox. 4, H302, Acute Tox. 4, H312, Acute Tox. 4, H332; Eye Irrit. 2, H319	

· **Additional information:** *For the wording of the relevant risk phrases refer to section 16.*

### 4 First Aid Measures

## · Description of first aid measures

## · General information:

*Immediately remove any clothing soiled by the product.**Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.*

## · After inhalation:

*Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.**In case of unconsciousness place patient stably in side position for transportation.*· **After skin contact:** *Immediately rinse with water.*

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**Trade name: ONE Pesticide420 TM Calibrator 4**

(Contd. of page 2)

- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and containers:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.

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- **Storage class:** 3
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

75-05-8 acetonitrile (75-100%)

WES	Short-term value: 101 mg/m <sup>3</sup> , 60 ppm
	Long-term value: 67 mg/m <sup>3</sup> , 40 ppm
	Sk

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
 Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing  
 Wash hands before breaks and at the end of work.  
 Avoid contact with the eyes.  
 Avoid contact with the eyes and skin.
- **Respiratory protection:**  
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.  
 Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**  
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

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### 9 Physical and Chemical Properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Liquid
Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/freezing point:	-46 °C
Initial boiling point and boiling range:	Undetermined.
· Flash point:	5 °C
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	525 °C
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Explosion limits:	
Lower:	4.4 Vol %
Upper:	16 Vol %
· Vapour pressure at 20 °C:	97 hPa
· Density at 20 °C:	0.7822 g/cm <sup>3</sup>
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	
	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	0.0 %
Solids content:	100.0 %
· Other information	No further relevant information available.

### 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

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- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

· <b>LD/LC50 values relevant for classification:</b>		
<b>75-05-8 acetonitrile</b>		
Oral	LD50	2,730 mg/kg (rat)
Dermal	LD50	1,250 mg/kg (rabbit)
<b>2921-88-2 chlorpyrifos (ISO)</b>		
Oral	LD50	135 mg/kg (rat)
Dermal	LD50	202 mg/kg (rat)
<b>7786-34-7 mevinphos (ISO)</b>		
Oral	LD50	4 mg/kg (rat)
Dermal	LD50	4 mg/kg (rat)
<b>285138-81-0 Chlorpyrifos (Diethyl-d10) (ISO)</b>		
Oral	LD50	135 mg/kg (rat)
Dermal	LD50	202 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** Irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Harmful  
Irritant

### 12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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Trade name: ONE Pesticide420 TM Calibrator 4

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## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Must be specially treated adhering to official regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

· <b>UN-Number</b> · <b>ADG, IMDG, IATA</b>	UN1993
· <b>UN proper shipping name</b> · <b>ADG</b>  · <b>IMDG</b>  · <b>IATA</b>	1993 FLAMMABLE LIQUID, N.O.S. (ACETONITRILE), ENVIRONMENTALLY HAZARDOUS FLAMMABLE LIQUID, N.O.S. (ACETONITRILE, Bifenthrin (ISO)), MARINE POLLUTANT FLAMMABLE LIQUID, N.O.S. (ACETONITRILE)
· <b>Transport hazard class(es)</b> · <b>ADG, IMDG</b>	
 	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>IATA</b>	
	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>Packing group</b> · <b>ADG, IMDG, IATA</b>	II
· <b>Environmental hazards:</b> · <b>Marine pollutant:</b> · <b>Special marking (ADG):</b>	Symbol (fish and tree) Symbol (fish and tree)
· <b>Special precautions for user</b> · <b>Hazard identification number (Kemler code):</b> · <b>EMS Number:</b> · <b>Segregation groups</b>	Warning: Flammable liquids. 33 F-E, S-E Heavy metals and their salts (including their organometallic compounds)
· <b>Stowage Category</b>	B

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· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	D/E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	UN 1993 FLAMMABLE LIQUID, N.O.S. (ACETONITRILE), 3, II, ENVIRONMENTALLY HAZARDOUS

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· <b>Australian Inventory of Industrial Chemicals</b>		
75-05-8	acetonitrile	
64-18-6	formic acid	
67-56-1	methanol	
51-03-6	Piperonylbutoxide	
113-48-4	MGK 264	
121-20-0	cinerin II	
121-21-1	2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl [1R-[1alpha[S*(Z)],3beta]]-chrysanthemate	
121-29-9	2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl[1R-[1alpha[S*(Z)](3beta)-3-(3-methoxy-2-methyl-3-oxoprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate	
133-06-2	captan (ISO)	
1172-63-0	Jasmolin II	
4466-14-2	Jasmolin I	
25402-06-6	cinerin I	
52645-53-1	permethrin (ISO)	
60207-90-1	propiconazole	
· <b>Standard for the Uniform Scheduling of Medicines and Poisons</b>		
64-18-6	formic acid	S5
67-56-1	methanol	S5, S6
56-72-4	coumaphos (ISO)	S6, S7
60-51-5	dimethoate (ISO)	S6
62-73-7	dichlorvos (ISO)	S5, S6, S7

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63-25-2	carbaryl (ISO)	S4, S5, S6
82-68-8	quintozene (ISO)	S5
114-26-1	propoxur (ISO)	S5, S6
116-06-3	aldicarb (ISO)	S7
121-75-5	malathion (ISO)	S3, S5, S6
133-06-2	captan (ISO)	S6
298-00-0	parathion -methyl (ISO)	S6, S7
300-76-5	naled (ISO)	S5, S6
333-41-5	diazinon (ISO)	S5, S6
732-11-6	phosmet (ISO)	S6
1563-66-2	carbofuran (ISO)	S7
1596-84-5	daminozide	S5
2032-65-7	mercaptopdimethur (ISO)	S5, S6, S7
2921-88-2	chlорpyrifos (ISO)	S5, S6
7786-34-7	mevinphos (ISO)	S7
13194-48-4	ethoprophos (ISO)	S6, S7
16752-77-5	methomyl	S6, S7
23031-36-9	prallethrin	S5, S6
23135-22-0	N,N'-dimethylcarbamoyl(methylthio)methylenamine N-methylcarbamate	S7
30560-19-1	acephate (ISO)	S6
35554-44-0	imazalil (ISO)	S5
52645-53-1	permethrin (ISO)	S4, S5, S6
57837-19-1	metalaxyl (ISO)	S5, S6
60207-90-1	propiconazole	S5, S6
68359-37-5	alpha-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	S5, S6

· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**



GHS02 GHS07

· **Signal word** Danger

· **Hazard-determining components of labelling:**

acetonitrile

· **Hazard statements**

Highly flammable liquid and vapour.

Harmful in contact with skin.

Harmful if inhaled.

Causes serious eye irritation.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Use explosion-proof electrical/ventilating/lighting equipment.

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# Safety Data Sheet

## according to WHS Regulations

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**Trade name: ONE Pesticide420 TM Calibrator 4**

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Avoid breathing dust/fume/gas/mist/vapours/spray.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category**

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

The information provided in this Safety Data Sheet is based on our present knowledge, and believed to be correct at the date of publication. However, no representation is made concerning its accuracy and completeness. It is intended as guidance only, and is not to be considered a warranty or quality specification. All materials may present unknown hazards, and should be used with caution. Although certain hazards are described, we cannot guarantee that these are the only hazards which exist. PerkinElmer, Inc. shall not be held liable for any damage resulting from handling or from contact with the product.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

· **Contact:**

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Acute Tox. 4: Acute toxicity – Category 4

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

*Hazardous according to criteria of Australian Safety and Compensation Council.*

## 1 Identification

- **Product identifier**
- **Trade name:** ONE Pesticide420 TM Calibrator 5
- **Product number:** COP-Cal-05
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Product category** PC21 Laboratory chemicals
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
PerkinElmer Inc  
549 Albany St  
Boston, MA 02118  
PerkinElmer Inc  
549 Albany St  
Boston, MA 02118 USA  
Supplier/Local:  
-----  
PerkinElmer Australia  
Lvl 2, Bldg 5, Brandon Office Park  
530-540 Springvale Road  
Glen Waverley  
Melbourne  
VIC 3150  
Australia
  - **Emergency telephone number:**  
CHEMTREC (within US) 800-424-9300  
CHEMTREC (from outside US) 1(703)-527-3887
  - **Local Emergency Number CHEMTREC - (Within Australia) +(61)-290372994**
- **Further information obtainable from:**  
US Technical Support  
800-762-4000

## 2 Hazard(s) Identification

- **Classification of the substance or mixture**  
Flam. Liq. 2 H225 Highly flammable liquid and vapour.  
Acute Tox. 4 H312 Harmful in contact with skin.  
Acute Tox. 4 H332 Harmful if inhaled.  
Eye Irrit. 2A H319 Causes serious eye irritation.
- **Additional information:** For the wording of the relevant risk phrases refer to section 16.  
-----
- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

(Contd. on page 2)

# Safety Data Sheet

## according to WHS Regulations

Printing date 07.09.2021

Revision: 03.05.2021

Trade name: ONE Pesticide420 TM Calibrator 5

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· **Hazard pictograms**

GHS02 GHS07

· **Signal word** *Danger*· **Hazard-determining components of labelling:***acetonitrile*· **Hazard statements***Highly flammable liquid and vapour.**Harmful in contact with skin.**Harmful if inhaled.**Causes serious eye irritation.*· **Precautionary statements***Keep away from heat/sparks/open flames/hot surfaces. No smoking.**Use explosion-proof electrical/ventilating/lighting equipment.**Avoid breathing dust/fume/gas/mist/vapours/spray.**IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.**IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.**Continue rinsing.**Dispose of contents/container in accordance with local/regional/national/international regulations.*· **Other hazards**· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

· **Chemical characterisation:** *Mixtures*· **Description:** *Mixture of substances listed below with nonhazardous additions.*· **Dangerous components:**

75-05-8	acetonitrile	75-100%
	Flam. Liq. 2, H225;  Acute Tox. 4, H302, Acute Tox. 4, H312, Acute Tox. 4, H332; Eye Irrit. 2, H319	

· **Additional information:** *For the wording of the relevant risk phrases refer to section 16.*

### 4 First Aid Measures

· **Description of first aid measures**· **General information:***Immediately remove any clothing soiled by the product.**Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.*· **After inhalation:***Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.**In case of unconsciousness place patient stably in side position for transportation.*· **After skin contact:** *Immediately rinse with water.*

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## Safety Data Sheet according to WHS Regulations

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**Trade name: ONE Pesticide420 TM Calibrator 5**

(Contd. of page 2)

- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and containers:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.

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Trade name: ONE Pesticide420 TM Calibrator 5

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- **Storage class:** 3
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

75-05-8 acetonitrile (75-100%)

WES	Short-term value: 101 mg/m <sup>3</sup> , 60 ppm
	Long-term value: 67 mg/m <sup>3</sup> , 40 ppm
	Sk

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
 Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing  
 Wash hands before breaks and at the end of work.  
 Avoid contact with the eyes.  
 Avoid contact with the eyes and skin.
- **Respiratory protection:**  
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.  
 Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**  
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

AU

(Contd. on page 5)

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Trade name: ONE Pesticide420 TM Calibrator 5

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### 9 Physical and Chemical Properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Liquid
Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/freezing point:	-46 °C
Initial boiling point and boiling range:	Undetermined.
· Flash point:	5 °C
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	525 °C
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Explosion limits:	
Lower:	4.4 Vol %
Upper:	16 Vol %
· Vapour pressure at 20 °C:	97 hPa
· Density at 20 °C:	0.7822 g/cm <sup>3</sup>
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	
	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	0.0 %
Solids content:	100.0 %
· Other information	No further relevant information available.

### 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

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# Safety Data Sheet

## according to WHS Regulations

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Trade name: ONE Pesticide420 TM Calibrator 5

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- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

- **LD/LC50 values relevant for classification:**

**75-05-8 acetonitrile**

Oral	LD50	2,730 mg/kg (rat)
Dermal	LD50	1,250 mg/kg (rabbit)

**2921-88-2 chlorpyrifos (ISO)**

Oral	LD50	135 mg/kg (rat)
Dermal	LD50	202 mg/kg (rat)

**7786-34-7 mevinphos (ISO)**

Oral	LD50	4 mg/kg (rat)
Dermal	LD50	4 mg/kg (rat)

**285138-81-0 Chlorpyrifos (Diethyl-d10) (ISO)**

Oral	LD50	135 mg/kg (rat)
Dermal	LD50	202 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** Irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful  
Irritant

### 12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

AU

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Trade name: ONE Pesticide420 TM Calibrator 5

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## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Must be specially treated adhering to official regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

· <b>UN-Number</b> · <b>ADG, IMDG, IATA</b>	UN1993
· <b>UN proper shipping name</b> · <b>ADG</b>  · <b>IMDG</b>  · <b>IATA</b>	1993 FLAMMABLE LIQUID, N.O.S. (ACETONITRILE), ENVIRONMENTALLY HAZARDOUS FLAMMABLE LIQUID, N.O.S. (ACETONITRILE, Bifenthrin (ISO)), MARINE POLLUTANT FLAMMABLE LIQUID, N.O.S. (ACETONITRILE)
· <b>Transport hazard class(es)</b> · <b>ADG, IMDG</b>	
 	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>IATA</b>	
	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>Packing group</b> · <b>ADG, IMDG, IATA</b>	II
· <b>Environmental hazards:</b> · <b>Marine pollutant:</b> · <b>Special marking (ADG):</b>	Symbol (fish and tree) Symbol (fish and tree)
· <b>Special precautions for user</b> · <b>Hazard identification number (Kemler code):</b> · <b>EMS Number:</b> · <b>Segregation groups</b>  · <b>Stowage Category</b>	Warning: Flammable liquids. 33 F-E, S-E Heavy metals and their salts (including their organometallic compounds) B

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· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	D/E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	UN 1993 FLAMMABLE LIQUID, N.O.S. (ACETONITRILE), 3, II, ENVIRONMENTALLY HAZARDOUS

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· <b>Australian Inventory of Industrial Chemicals</b>		
75-05-8	acetonitrile	
64-18-6	formic acid	
67-56-1	methanol	
51-03-6	Piperonylbutoxide	
113-48-4	MGK 264	
121-20-0	cinerin II	
121-21-1	2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl [1R-[1alpha[S*(Z)],3beta]]-chrysanthemate	
121-29-9	2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl[1R-[1alpha[S*(Z)](3beta)-3-(3-methoxy-2-methyl-3-oxoprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate	
133-06-2	captan (ISO)	
1172-63-0	Jasmolin II	
4466-14-2	Jasmolin I	
25402-06-6	cinerin I	
52645-53-1	permethrin (ISO)	
60207-90-1	propiconazole	
· <b>Standard for the Uniform Scheduling of Medicines and Poisons</b>		
64-18-6	formic acid	S5
67-56-1	methanol	S5, S6
56-72-4	coumaphos (ISO)	S6, S7
60-51-5	dimethoate (ISO)	S6
62-73-7	dichlorvos (ISO)	S5, S6, S7

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## Safety Data Sheet according to WHS Regulations

Printing date 07.09.2021

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Trade name: ONE Pesticide420 TM Calibrator 5

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63-25-2	carbaryl (ISO)	S4, S5, S6
82-68-8	quintozene (ISO)	S5
114-26-1	propoxur (ISO)	S5, S6
116-06-3	aldicarb (ISO)	S7
121-75-5	malathion (ISO)	S3, S5, S6
133-06-2	captan (ISO)	S6
298-00-0	parathion -methyl (ISO)	S6, S7
300-76-5	naled (ISO)	S5, S6
333-41-5	diazinon (ISO)	S5, S6
732-11-6	phosmet (ISO)	S6
1563-66-2	carbofuran (ISO)	S7
1596-84-5	daminozide	S5
2032-65-7	mercaptopdimethur (ISO)	S5, S6, S7
2921-88-2	chlorpyrifos (ISO)	S5, S6
7786-34-7	mevinphos (ISO)	S7
13194-48-4	ethoprophos (ISO)	S6, S7
16752-77-5	methomyl	S6, S7
23031-36-9	prallethrin	S5, S6
23135-22-0	N,N'-dimethylcarbamoyl(methylthio)methylenamine N-methylcarbamate	S7
30560-19-1	acephate (ISO)	S6
35554-44-0	imazalil (ISO)	S5
52645-53-1	permethrin (ISO)	S4, S5, S6
57837-19-1	metalaxyl (ISO)	S5, S6
60207-90-1	propiconazole	S5, S6
68359-37-5	alpha-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	S5, S6

· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**



GHS02 GHS07

· **Signal word** Danger

· **Hazard-determining components of labelling:**

acetonitrile

· **Hazard statements**

Highly flammable liquid and vapour.

Harmful in contact with skin.

Harmful if inhaled.

Causes serious eye irritation.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Use explosion-proof electrical/ventilating/lighting equipment.

(Contd. on page 10)

# Safety Data Sheet

## according to WHS Regulations

Printing date 07.09.2021

Revision: 03.05.2021

**Trade name: ONE Pesticide420 TM Calibrator 5**

(Contd. of page 9)

Avoid breathing dust/fume/gas/mist/vapours/spray.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category**  
E2 Hazardous to the Aquatic Environment  
P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

The information provided in this Safety Data Sheet is based on our present knowledge, and believed to be correct at the date of publication. However, no representation is made concerning its accuracy and completeness. It is intended as guidance only, and is not to be considered a warranty or quality specification. All materials may present unknown hazards, and should be used with caution. Although certain hazards are described, we cannot guarantee that these are the only hazards which exist. PerkinElmer, Inc. shall not be held liable for any damage resulting from handling or from contact with the product.

#### · **Relevant phrases**

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

#### · **Contact:**

#### · **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Acute Tox. 4: Acute toxicity – Category 4

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Hazardous according to criteria of Australian Safety and Compensation Council.

## 1 Identification

- **Product identifier**
- **Trade name:** ONE Pesticide420 TM Calibrator 6
- **Product number:** COP-Cal-06
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Product category** PC21 Laboratory chemicals
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
PerkinElmer Inc  
549 Albany St  
Boston, MA 02118  
PerkinElmer Inc  
549 Albany St  
Boston, MA 02118 USA  
Supplier/Local:  
-----  
PerkinElmer Australia  
Lvl 2, Bldg 5, Brandon Office Park  
530-540 Springvale Road  
Glen Waverley  
Melbourne  
VIC 3150  
Australia
  - **Emergency telephone number:**  
CHEMTREC (within US) 800-424-9300  
CHEMTREC (from outside US) 1(703)-527-3887
  - **Local Emergency Number CHEMTREC - (Within Australia) +(61)-290372994**
- **Further information obtainable from:**  
US Technical Support  
800-762-4000

## 2 Hazard(s) Identification

- **Classification of the substance or mixture**  
Flam. Liq. 2 H225 Highly flammable liquid and vapour.  
Acute Tox. 4 H312 Harmful in contact with skin.  
Acute Tox. 4 H332 Harmful if inhaled.  
Eye Irrit. 2A H319 Causes serious eye irritation.
- **Additional information:** For the wording of the relevant risk phrases refer to section 16.  
-----
- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

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# Safety Data Sheet

## according to WHS Regulations

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Trade name: ONE Pesticide420 TM Calibrator 6

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· **Hazard pictograms**

GHS02 GHS07

· **Signal word** *Danger*· **Hazard-determining components of labelling:***acetonitrile*· **Hazard statements***Highly flammable liquid and vapour.**Harmful in contact with skin.**Harmful if inhaled.**Causes serious eye irritation.*· **Precautionary statements***Keep away from heat/sparks/open flames/hot surfaces. No smoking.**Use explosion-proof electrical/ventilating/lighting equipment.**Avoid breathing dust/fume/gas/mist/vapours/spray.**IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.**IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.**Continue rinsing.**Dispose of contents/container in accordance with local/regional/national/international regulations.*· **Other hazards**· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

· **Chemical characterisation:** *Mixtures*· **Description:** *Mixture of substances listed below with nonhazardous additions.*· **Dangerous components:**

75-05-8	acetonitrile	75-100%
	Flam. Liq. 2, H225;  Acute Tox. 4, H302, Acute Tox. 4, H312, Acute Tox. 4, H332; Eye Irrit. 2, H319	

· **Additional information:** *For the wording of the relevant risk phrases refer to section 16.*

### 4 First Aid Measures

· **Description of first aid measures**· **General information:***Immediately remove any clothing soiled by the product.**Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.*· **After inhalation:***Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.**In case of unconsciousness place patient stably in side position for transportation.*· **After skin contact:** *Immediately rinse with water.*

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**Trade name: ONE Pesticide420 TM Calibrator 6**

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- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and containers:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.

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Trade name: ONE Pesticide420 TM Calibrator 6

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- **Storage class:** 3
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

75-05-8 acetonitrile (75-100%)

WES	Short-term value: 101 mg/m <sup>3</sup> , 60 ppm
	Long-term value: 67 mg/m <sup>3</sup> , 40 ppm
	Sk

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
 Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing  
 Wash hands before breaks and at the end of work.  
 Avoid contact with the eyes.  
 Avoid contact with the eyes and skin.
- **Respiratory protection:**  
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.  
 Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**  
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

AU

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Trade name: ONE Pesticide420 TM Calibrator 6

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### 9 Physical and Chemical Properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Liquid
Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/freezing point:	-46 °C
Initial boiling point and boiling range:	Undetermined.
· Flash point:	5 °C
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	525 °C
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Explosion limits:	
Lower:	4.4 Vol %
Upper:	16 Vol %
· Vapour pressure at 20 °C:	97 hPa
· Density at 20 °C:	0.7822 g/cm <sup>3</sup>
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	
	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	0.0 %
Solids content:	100.0 %
· Other information	No further relevant information available.

### 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

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- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

- **LD/LC50 values relevant for classification:**

**75-05-8 acetonitrile**

Oral	LD50	2,730 mg/kg (rat)
Dermal	LD50	1,250 mg/kg (rabbit)

**2921-88-2 chlorpyrifos (ISO)**

Oral	LD50	135 mg/kg (rat)
Dermal	LD50	202 mg/kg (rat)

**7786-34-7 mevinphos (ISO)**

Oral	LD50	4 mg/kg (rat)
Dermal	LD50	4 mg/kg (rat)

**285138-81-0 Chlorpyrifos (Diethyl-d10) (ISO)**

Oral	LD50	135 mg/kg (rat)
Dermal	LD50	202 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** Irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful  
Irritant

### 12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Must be specially treated adhering to official regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

· <b>UN-Number</b> · <b>ADG, IMDG, IATA</b>	UN1993
· <b>UN proper shipping name</b> · <b>ADG</b>  · <b>IMDG</b>  · <b>IATA</b>	1993 FLAMMABLE LIQUID, N.O.S. (ACETONITRILE), ENVIRONMENTALLY HAZARDOUS FLAMMABLE LIQUID, N.O.S. (ACETONITRILE, Bifenthrin (ISO)), MARINE POLLUTANT FLAMMABLE LIQUID, N.O.S. (ACETONITRILE)
· <b>Transport hazard class(es)</b> · <b>ADG, IMDG</b>	
 	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>IATA</b>	
	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>Packing group</b> · <b>ADG, IMDG, IATA</b>	II
· <b>Environmental hazards:</b> · <b>Marine pollutant:</b> · <b>Special marking (ADG):</b>	Symbol (fish and tree) Symbol (fish and tree)
· <b>Special precautions for user</b> · <b>Hazard identification number (Kemler code):</b> · <b>EMS Number:</b> · <b>Segregation groups</b>	Warning: Flammable liquids. 33 F-E, S-E Heavy metals and their salts (including their organometallic compounds)
· <b>Stowage Category</b>	B

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· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	D/E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	UN 1993 FLAMMABLE LIQUID, N.O.S. (ACETONITRILE), 3, II, ENVIRONMENTALLY HAZARDOUS

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· <b>Australian Inventory of Industrial Chemicals</b>		
75-05-8	acetonitrile	
64-18-6	formic acid	
67-56-1	methanol	
51-03-6	Piperonylbutoxide	
113-48-4	MGK 264	
121-20-0	cinerin II	
121-21-1	2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl [1R-[1alpha[S*(Z)],3beta]]-chrysanthemate	
121-29-9	2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl[1R-[1alpha[S*(Z)](3beta)-3-(3-methoxy-2-methyl-3-oxoprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate	
133-06-2	captan (ISO)	
1172-63-0	Jasmolin II	
4466-14-2	Jasmolin I	
25402-06-6	cinerin I	
52645-53-1	permethrin (ISO)	
60207-90-1	propiconazole	
· <b>Standard for the Uniform Scheduling of Medicines and Poisons</b>		
64-18-6	formic acid	S5
67-56-1	methanol	S5, S6
56-72-4	coumaphos (ISO)	S6, S7
60-51-5	dimethoate (ISO)	S6
62-73-7	dichlorvos (ISO)	S5, S6, S7

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63-25-2	carbaryl (ISO)	S4, S5, S6
82-68-8	quintozene (ISO)	S5
114-26-1	propoxur (ISO)	S5, S6
116-06-3	aldicarb (ISO)	S7
121-75-5	malathion (ISO)	S3, S5, S6
133-06-2	captan (ISO)	S6
298-00-0	parathion -methyl (ISO)	S6, S7
300-76-5	naled (ISO)	S5, S6
333-41-5	diazinon (ISO)	S5, S6
732-11-6	phosmet (ISO)	S6
1563-66-2	carbofuran (ISO)	S7
1596-84-5	daminozide	S5
2032-65-7	mercaptopdimethur (ISO)	S5, S6, S7
2921-88-2	chlorpyrifos (ISO)	S5, S6
7786-34-7	mevinphos (ISO)	S7
13194-48-4	ethoprophos (ISO)	S6, S7
16752-77-5	methomyl	S6, S7
23031-36-9	prallethrin	S5, S6
23135-22-0	N,N'-dimethylcarbamoyl(methylthio)methylenamine N-methylcarbamate	S7
30560-19-1	acephate (ISO)	S6
35554-44-0	imazalil (ISO)	S5
52645-53-1	permethrin (ISO)	S4, S5, S6
57837-19-1	metalaxyl (ISO)	S5, S6
60207-90-1	propiconazole	S5, S6
68359-37-5	alpha-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	S5, S6

· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**



GHS02 GHS07

· **Signal word** Danger

· **Hazard-determining components of labelling:**

acetonitrile

· **Hazard statements**

Highly flammable liquid and vapour.

Harmful in contact with skin.

Harmful if inhaled.

Causes serious eye irritation.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Use explosion-proof electrical/ventilating/lighting equipment.

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Avoid breathing dust/fume/gas/mist/vapours/spray.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category**

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

The information provided in this Safety Data Sheet is based on our present knowledge, and believed to be correct at the date of publication. However, no representation is made concerning its accuracy and completeness. It is intended as guidance only, and is not to be considered a warranty or quality specification. All materials may present unknown hazards, and should be used with caution. Although certain hazards are described, we cannot guarantee that these are the only hazards which exist. PerkinElmer, Inc. shall not be held liable for any damage resulting from handling or from contact with the product.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

· **Contact:**

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Acute Tox. 4: Acute toxicity – Category 4

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

*Hazardous according to criteria of Australian Safety and Compensation Council.*

## 1 Identification

- **Product identifier**
- **Trade name:** ONE Pesticide420 TM Calibrator 7
- **Product number:** COP-Cal-07
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Product category** PC21 Laboratory chemicals
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
PerkinElmer Inc  
549 Albany St  
Boston, MA 02118  
PerkinElmer Inc  
549 Albany St  
Boston, MA 02118 USA  
Supplier/Local:  
-----  
PerkinElmer Australia  
Lvl 2, Bldg 5, Brandon Office Park  
530-540 Springvale Road  
Glen Waverley  
Melbourne  
VIC 3150  
Australia
  - **Emergency telephone number:**  
CHEMTREC (within US) 800-424-9300  
CHEMTREC (from outside US) 1(703)-527-3887
  - **Local Emergency Number CHEMTREC - (Within Australia) +(61)-290372994**
- **Further information obtainable from:**  
US Technical Support  
800-762-4000

## 2 Hazard(s) Identification

- **Classification of the substance or mixture**  
Flam. Liq. 2 H225 Highly flammable liquid and vapour.  
Acute Tox. 4 H312 Harmful in contact with skin.  
Acute Tox. 4 H332 Harmful if inhaled.  
Eye Irrit. 2A H319 Causes serious eye irritation.
- **Additional information:** For the wording of the relevant risk phrases refer to section 16.  
-----
- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

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· **Hazard pictograms**

GHS02 GHS07

· **Signal word** *Danger*· **Hazard-determining components of labelling:***acetonitrile*· **Hazard statements***Highly flammable liquid and vapour.**Harmful in contact with skin.**Harmful if inhaled.**Causes serious eye irritation.*· **Precautionary statements***Keep away from heat/sparks/open flames/hot surfaces. No smoking.**Use explosion-proof electrical/ventilating/lighting equipment.**Avoid breathing dust/fume/gas/mist/vapours/spray.**IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.**IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.**Continue rinsing.**Dispose of contents/container in accordance with local/regional/national/international regulations.*· **Other hazards**· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

· **Chemical characterisation:** *Mixtures*· **Description:** *Mixture of substances listed below with nonhazardous additions.*· **Dangerous components:**

75-05-8	acetonitrile	75-100%
	Flam. Liq. 2, H225;             Acute Tox. 4, H302, Acute Tox. 4, H312, Acute Tox. 4, H332; Eye Irrit. 2, H319	

· **Additional information:** *For the wording of the relevant risk phrases refer to section 16.*

### 4 First Aid Measures

· **Description of first aid measures**· **General information:***Immediately remove any clothing soiled by the product.**Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.*· **After inhalation:***Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.**In case of unconsciousness place patient stably in side position for transportation.*· **After skin contact:** *Immediately rinse with water.*

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- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and containers:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.

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- **Storage class:** 3
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

75-05-8 acetonitrile (75-100%)

WES	Short-term value: 101 mg/m <sup>3</sup> , 60 ppm
	Long-term value: 67 mg/m <sup>3</sup> , 40 ppm
	Sk

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
 Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing  
 Wash hands before breaks and at the end of work.  
 Avoid contact with the eyes.  
 Avoid contact with the eyes and skin.
- **Respiratory protection:**  
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.  
 Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**  
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

AU

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Trade name: ONE Pesticide420 TM Calibrator 7

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### 9 Physical and Chemical Properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Liquid
Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/freezing point:	-46 °C
Initial boiling point and boiling range:	Undetermined.
· Flash point:	5 °C
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	525 °C
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Explosion limits:	
Lower:	4.4 Vol %
Upper:	16 Vol %
· Vapour pressure at 20 °C:	97 hPa
· Density at 20 °C:	0.7822 g/cm <sup>3</sup>
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	
Not miscible or difficult to mix.	
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	0.0 %
Solids content:	100.0 %
· Other information	No further relevant information available.

### 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

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# Safety Data Sheet

## according to WHS Regulations

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Trade name: ONE Pesticide420 TM Calibrator 7

(Contd. of page 5)

- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

- **LD/LC50 values relevant for classification:**

**75-05-8 acetonitrile**

Oral	LD50	2,730 mg/kg (rat)
Dermal	LD50	1,250 mg/kg (rabbit)

**2921-88-2 chlorpyrifos (ISO)**

Oral	LD50	135 mg/kg (rat)
Dermal	LD50	202 mg/kg (rat)

**7786-34-7 mevinphos (ISO)**

Oral	LD50	4 mg/kg (rat)
Dermal	LD50	4 mg/kg (rat)

**285138-81-0 Chlorpyrifos (Diethyl-d10) (ISO)**

Oral	LD50	135 mg/kg (rat)
Dermal	LD50	202 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** Irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful  
Irritant

### 12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

AU

(Contd. on page 7)

# Safety Data Sheet

according to WHS Regulations

Printing date 07.09.2021

Revision: 03.05.2021




Trade name: ONE Pesticide420 TM Calibrator 7

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## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Must be specially treated adhering to official regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

· <b>UN-Number</b> · <b>ADG, IMDG, IATA</b>	UN1993
· <b>UN proper shipping name</b> · <b>ADG</b>  · <b>IMDG</b>  · <b>IATA</b>	1993 FLAMMABLE LIQUID, N.O.S. (ACETONITRILE), ENVIRONMENTALLY HAZARDOUS FLAMMABLE LIQUID, N.O.S. (ACETONITRILE, Bifenthrin (ISO)), MARINE POLLUTANT FLAMMABLE LIQUID, N.O.S. (ACETONITRILE)
· <b>Transport hazard class(es)</b> · <b>ADG, IMDG</b>	
 	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>IATA</b>	
	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>Packing group</b> · <b>ADG, IMDG, IATA</b>	II
· <b>Environmental hazards:</b> · <b>Marine pollutant:</b> · <b>Special marking (ADG):</b>	Symbol (fish and tree) Symbol (fish and tree)
· <b>Special precautions for user</b> · <b>Hazard identification number (Kemler code):</b> · <b>EMS Number:</b> · <b>Segregation groups</b>  · <b>Stowage Category</b>	Warning: Flammable liquids. 33 F-E, S-E Heavy metals and their salts (including their organometallic compounds) B

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## Safety Data Sheet

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Trade name: ONE Pesticide420 TM Calibrator 7

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· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
-----	
· <b>ADG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	D/E
-----	
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	UN 1993 FLAMMABLE LIQUID, N.O.S. (ACETONITRILE), 3, II, ENVIRONMENTALLY HAZARDOUS

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· <b>Australian Inventory of Industrial Chemicals</b>		
75-05-8	acetonitrile	
64-18-6	formic acid	
67-56-1	methanol	
51-03-6	Piperonylbutoxide	
113-48-4	MGK 264	
121-20-0	cinerin II	
121-21-1	2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl [1R-[1alpha[S*(Z)],3beta]]-chrysanthemate	
121-29-9	2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl[1R-[1alpha[S*(Z)](3beta)-3-(3-methoxy-2-methyl-3-oxoprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate	
133-06-2	captan (ISO)	
1172-63-0	Jasmolin II	
4466-14-2	Jasmolin I	
25402-06-6	cinerin I	
52645-53-1	permethrin (ISO)	
60207-90-1	propiconazole	
· <b>Standard for the Uniform Scheduling of Medicines and Poisons</b>		
64-18-6	formic acid	S5
67-56-1	methanol	S5, S6
56-72-4	coumaphos (ISO)	S6, S7
60-51-5	dimethoate (ISO)	S6
62-73-7	dichlorvos (ISO)	S5, S6, S7

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63-25-2	carbaryl (ISO)	S4, S5, S6
82-68-8	quintozene (ISO)	S5
114-26-1	propoxur (ISO)	S5, S6
116-06-3	aldicarb (ISO)	S7
121-75-5	malathion (ISO)	S3, S5, S6
133-06-2	captan (ISO)	S6
298-00-0	parathion -methyl (ISO)	S6, S7
300-76-5	naled (ISO)	S5, S6
333-41-5	diazinon (ISO)	S5, S6
732-11-6	phosmet (ISO)	S6
1563-66-2	carbofuran (ISO)	S7
1596-84-5	daminozide	S5
2032-65-7	mercaptopdimethur (ISO)	S5, S6, S7
2921-88-2	chlorpyrifos (ISO)	S5, S6
7786-34-7	mevinphos (ISO)	S7
13194-48-4	ethoprophos (ISO)	S6, S7
16752-77-5	methomyl	S6, S7
23031-36-9	prallethrin	S5, S6
23135-22-0	N,N'-dimethylcarbamoyl(methylthio)methylenamine N-methylcarbamate	S7
30560-19-1	acephate (ISO)	S6
35554-44-0	imazalil (ISO)	S5
52645-53-1	permethrin (ISO)	S4, S5, S6
57837-19-1	metalaxyl (ISO)	S5, S6
60207-90-1	propiconazole	S5, S6
68359-37-5	alpha-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	S5, S6

· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**



GHS02 GHS07

· **Signal word** Danger

· **Hazard-determining components of labelling:**

acetonitrile

· **Hazard statements**

Highly flammable liquid and vapour.

Harmful in contact with skin.

Harmful if inhaled.

Causes serious eye irritation.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Use explosion-proof electrical/ventilating/lighting equipment.

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**Trade name: ONE Pesticide420 TM Calibrator 7**

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Avoid breathing dust/fume/gas/mist/vapours/spray.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category**
  - E2 Hazardous to the Aquatic Environment
  - P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

The information provided in this Safety Data Sheet is based on our present knowledge, and believed to be correct at the date of publication. However, no representation is made concerning its accuracy and completeness. It is intended as guidance only, and is not to be considered a warranty or quality specification. All materials may present unknown hazards, and should be used with caution. Although certain hazards are described, we cannot guarantee that these are the only hazards which exist. PerkinElmer, Inc. shall not be held liable for any damage resulting from handling or from contact with the product.

#### · **Relevant phrases**

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

#### · **Contact:**

#### · **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Acute Tox. 4: Acute toxicity – Category 4

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

*Hazardous according to criteria of Australian Safety and Compensation Council.*

## 1 Identification

- **Product identifier**
- **Trade name:** ONE Pesticide420 TM Calibrator 8
- **Product number:** COP-Cal-08
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Product category** PC21 Laboratory chemicals
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
PerkinElmer Inc  
549 Albany St  
Boston, MA 02118  
PerkinElmer Inc  
549 Albany St  
Boston, MA 02118 USA  
Supplier/Local:  
-----  
PerkinElmer Australia  
Lvl 2, Bldg 5, Brandon Office Park  
530-540 Springvale Road  
Glen Waverley  
Melbourne  
VIC 3150  
Australia
  - **Emergency telephone number:**  
CHEMTREC (within US) 800-424-9300  
CHEMTREC (from outside US) 1(703)-527-3887
  - **Local Emergency Number CHEMTREC - (Within Australia) +(61)-290372994**
- **Further information obtainable from:**  
US Technical Support  
800-762-4000

## 2 Hazard(s) Identification

- **Classification of the substance or mixture**  
Flam. Liq. 2 H225 Highly flammable liquid and vapour.  
Acute Tox. 4 H312 Harmful in contact with skin.  
Acute Tox. 4 H332 Harmful if inhaled.  
Eye Irrit. 2A H319 Causes serious eye irritation.
- **Additional information:** For the wording of the relevant risk phrases refer to section 16.  
-----
- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

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Trade name: ONE Pesticide420 TM Calibrator 8

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· **Hazard pictograms**

GHS02 GHS07

· **Signal word** *Danger*· **Hazard-determining components of labelling:***acetonitrile*· **Hazard statements***Highly flammable liquid and vapour.**Harmful in contact with skin.**Harmful if inhaled.**Causes serious eye irritation.*· **Precautionary statements***Keep away from heat/sparks/open flames/hot surfaces. No smoking.**Use explosion-proof electrical/ventilating/lighting equipment.**Avoid breathing dust/fume/gas/mist/vapours/spray.**IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.**IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.**Continue rinsing.**Dispose of contents/container in accordance with local/regional/national/international regulations.*· **Other hazards**· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

· **Chemical characterisation: Mixtures**· **Description:** Mixture of substances listed below with nonhazardous additions.· **Dangerous components:**

75-05-8	acetonitrile	75-100%
	Flam. Liq. 2, H225;  Acute Tox. 4, H302, Acute Tox. 4, H312, Acute Tox. 4, H332; Eye Irrit. 2, H319	

· **Additional information:** For the wording of the relevant risk phrases refer to section 16.

### 4 First Aid Measures

· **Description of first aid measures**· **General information:***Immediately remove any clothing soiled by the product.**Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.*· **After inhalation:***Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.**In case of unconsciousness place patient stably in side position for transportation.*· **After skin contact:** Immediately rinse with water.

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- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and containers:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.

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- **Storage class:** 3
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

75-05-8 acetonitrile (75-100%)

WES	Short-term value: 101 mg/m <sup>3</sup> , 60 ppm
	Long-term value: 67 mg/m <sup>3</sup> , 40 ppm
	Sk

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
 Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing  
 Wash hands before breaks and at the end of work.  
 Avoid contact with the eyes.  
 Avoid contact with the eyes and skin.
- **Respiratory protection:**  
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.  
 Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**  
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

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## 9 Physical and Chemical Properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Liquid
Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/freezing point:	-46 °C
Initial boiling point and boiling range:	Undetermined.
· Flash point:	5 °C
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	525 °C
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Explosion limits:	
Lower:	4.4 Vol %
Upper:	16 Vol %
· Vapour pressure at 20 °C:	97 hPa
· Density at 20 °C:	0.7822 g/cm <sup>3</sup>
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	
Not miscible or difficult to mix.	
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	0.0 %
Solids content:	100.0 %
· Other information	No further relevant information available.

## 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

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# Safety Data Sheet

## according to WHS Regulations

Printing date 07.09.2021

Revision: 03.05.2021

Trade name: ONE Pesticide420 TM Calibrator 8

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- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

- **LD/LC50 values relevant for classification:**

**75-05-8 acetonitrile**

Oral	LD50	2,730 mg/kg (rat)
Dermal	LD50	1,250 mg/kg (rabbit)

**2921-88-2 chlorpyrifos (ISO)**

Oral	LD50	135 mg/kg (rat)
Dermal	LD50	202 mg/kg (rat)

**7786-34-7 mevinphos (ISO)**

Oral	LD50	4 mg/kg (rat)
Dermal	LD50	4 mg/kg (rat)

**285138-81-0 Chlorpyrifos (Diethyl-d10) (ISO)**

Oral	LD50	135 mg/kg (rat)
Dermal	LD50	202 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** Irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful  
Irritant

### 12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

AU

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Trade name: ONE Pesticide420 TM Calibrator 8

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## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Must be specially treated adhering to official regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

· <b>UN-Number</b> · <b>ADG, IMDG, IATA</b>	UN1993
· <b>UN proper shipping name</b> · <b>ADG</b>  · <b>IMDG</b>  · <b>IATA</b>	1993 FLAMMABLE LIQUID, N.O.S. (ACETONITRILE), ENVIRONMENTALLY HAZARDOUS FLAMMABLE LIQUID, N.O.S. (ACETONITRILE, Bifenthrin (ISO)), MARINE POLLUTANT FLAMMABLE LIQUID, N.O.S. (ACETONITRILE)
· <b>Transport hazard class(es)</b> · <b>ADG, IMDG</b>	
 	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>IATA</b>	
	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>Packing group</b> · <b>ADG, IMDG, IATA</b>	II
· <b>Environmental hazards:</b> · <b>Marine pollutant:</b> · <b>Special marking (ADG):</b>	Symbol (fish and tree) Symbol (fish and tree)
· <b>Special precautions for user</b> · <b>Hazard identification number (Kemler code):</b> · <b>EMS Number:</b> · <b>Segregation groups</b>  · <b>Stowage Category</b>	Warning: Flammable liquids. 33 F-E, S-E Heavy metals and their salts (including their organometallic compounds) B

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Trade name: ONE Pesticide420 TM Calibrator 8

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· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	D/E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	UN 1993 FLAMMABLE LIQUID, N.O.S. (ACETONITRILE), 3, II, ENVIRONMENTALLY HAZARDOUS

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· <b>Australian Inventory of Industrial Chemicals</b>		
75-05-8	acetonitrile	
64-18-6	formic acid	
67-56-1	methanol	
51-03-6	Piperonylbutoxide	
113-48-4	MGK 264	
121-20-0	cinerin II	
121-21-1	2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl [1R-[1alpha[S*(Z)],3beta]]-chrysanthemate	
121-29-9	2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl[1R-[1alpha[S*(Z)](3beta)-3-(3-methoxy-2-methyl-3-oxoprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate	
133-06-2	captan (ISO)	
1172-63-0	Jasmolin II	
4466-14-2	Jasmolin I	
25402-06-6	cinerin I	
52645-53-1	permethrin (ISO)	
60207-90-1	propiconazole	
· <b>Standard for the Uniform Scheduling of Medicines and Poisons</b>		
64-18-6	formic acid	S5
67-56-1	methanol	S5, S6
56-72-4	coumaphos (ISO)	S6, S7
60-51-5	dimethoate (ISO)	S6
62-73-7	dichlorvos (ISO)	S5, S6, S7

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## Safety Data Sheet according to WHS Regulations

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Trade name: ONE Pesticide420 TM Calibrator 8

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63-25-2	carbaryl (ISO)	S4, S5, S6
82-68-8	quintozene (ISO)	S5
114-26-1	propoxur (ISO)	S5, S6
116-06-3	aldicarb (ISO)	S7
121-75-5	malathion (ISO)	S3, S5, S6
133-06-2	captan (ISO)	S6
298-00-0	parathion -methyl (ISO)	S6, S7
300-76-5	naled (ISO)	S5, S6
333-41-5	diazinon (ISO)	S5, S6
732-11-6	phosmet (ISO)	S6
1563-66-2	carbofuran (ISO)	S7
1596-84-5	daminozide	S5
2032-65-7	mercaptopdimethur (ISO)	S5, S6, S7
2921-88-2	chlорpyrifos (ISO)	S5, S6
7786-34-7	mevinphos (ISO)	S7
13194-48-4	ethoprophos (ISO)	S6, S7
16752-77-5	methomyl	S6, S7
23031-36-9	prallethrin	S5, S6
23135-22-0	N,N'-dimethylcarbamoyl(methylthio)methylenamine N-methylcarbamate	S7
30560-19-1	acephate (ISO)	S6
35554-44-0	imazalil (ISO)	S5
52645-53-1	permethrin (ISO)	S4, S5, S6
57837-19-1	metalaxyl (ISO)	S5, S6
60207-90-1	propiconazole	S5, S6
68359-37-5	alpha-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	S5, S6

· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**



GHS02 GHS07

· **Signal word** Danger

· **Hazard-determining components of labelling:**

acetonitrile

· **Hazard statements**

Highly flammable liquid and vapour.

Harmful in contact with skin.

Harmful if inhaled.

Causes serious eye irritation.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Use explosion-proof electrical/ventilating/lighting equipment.

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# Safety Data Sheet

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**Trade name: ONE Pesticide420 TM Calibrator 8**

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Avoid breathing dust/fume/gas/mist/vapours/spray.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category**

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

The information provided in this Safety Data Sheet is based on our present knowledge, and believed to be correct at the date of publication. However, no representation is made concerning its accuracy and completeness. It is intended as guidance only, and is not to be considered a warranty or quality specification. All materials may present unknown hazards, and should be used with caution. Although certain hazards are described, we cannot guarantee that these are the only hazards which exist. PerkinElmer, Inc. shall not be held liable for any damage resulting from handling or from contact with the product.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

· **Contact:**

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Acute Tox. 4: Acute toxicity – Category 4

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Hazardous according to criteria of Australian Safety and Compensation Council.

## 1 Identification

- **Product identifier**
- **Trade name:** ONE Pesticide420 TM Quality Control 1
- **Product number:** COP-QC-01
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Product category** PC21 Laboratory chemicals
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
PerkinElmer Inc  
549 Albany St  
Boston, MA 02118  
PerkinElmer Inc  
549 Albany St  
Boston, MA 02118 USA  
Supplier/Local:  
-----  
PerkinElmer Australia  
Lvl 2, Bldg 5, Brandon Office Park  
530-540 Springvale Road  
Glen Waverley  
Melbourne  
VIC 3150  
Australia
  - **Emergency telephone number:**  
CHEMTREC (within US) 800-424-9300  
CHEMTREC (from outside US) 1(703)-527-3887
  - **Local Emergency Number CHEMTREC - (Within Australia) +(61)-290372994**
- **Further information obtainable from:**  
US Technical Support  
800-762-4000

## 2 Hazard(s) Identification

- **Classification of the substance or mixture**  
Flam. Liq. 2 H225 Highly flammable liquid and vapour.  
Acute Tox. 4 H312 Harmful in contact with skin.  
Acute Tox. 4 H332 Harmful if inhaled.  
Eye Irrit. 2A H319 Causes serious eye irritation.
- **Additional information:** For the wording of the relevant risk phrases refer to section 16.  
-----
- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

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Trade name: ONE Pesticide420 TM Quality Control 1

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· **Hazard pictograms**

GHS02 GHS07

· **Signal word** *Danger*· **Hazard-determining components of labelling:***acetonitrile*· **Hazard statements***Highly flammable liquid and vapour.**Harmful in contact with skin.**Harmful if inhaled.**Causes serious eye irritation.*· **Precautionary statements***Keep away from heat/sparks/open flames/hot surfaces. No smoking.**Use explosion-proof electrical/ventilating/lighting equipment.**Avoid breathing dust/fume/gas/mist/vapours/spray.**IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.**IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.**Continue rinsing.**Dispose of contents/container in accordance with local/regional/national/international regulations.*· **Other hazards**· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

· **Chemical characterisation:** *Mixtures*· **Description:** *Mixture of substances listed below with nonhazardous additions.*· **Dangerous components:**

75-05-8	acetonitrile	75-100%
	Flam. Liq. 2, H225;  Acute Tox. 4, H302, Acute Tox. 4, H312, Acute Tox. 4, H332; Eye Irrit. 2, H319	

· **Additional information:** *For the wording of the relevant risk phrases refer to section 16.*

### 4 First Aid Measures

· **Description of first aid measures**· **General information:***Immediately remove any clothing soiled by the product.**Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.*· **After inhalation:***Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.**In case of unconsciousness place patient stably in side position for transportation.*· **After skin contact:** *Immediately rinse with water.*

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**Trade name: ONE Pesticide420 TM Quality Control 1**

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- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and containers:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.

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- **Storage class:** 3
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

75-05-8 acetonitrile (75-100%)

WES	Short-term value: 101 mg/m <sup>3</sup> , 60 ppm
	Long-term value: 67 mg/m <sup>3</sup> , 40 ppm
	Sk

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
  - Keep away from foodstuffs, beverages and feed.
  - Immediately remove all soiled and contaminated clothing
  - Wash hands before breaks and at the end of work.
  - Avoid contact with the eyes.
  - Avoid contact with the eyes and skin.
- **Respiratory protection:**
  - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
  - Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**
  - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
  - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

AU

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### 9 Physical and Chemical Properties

· <b>Information on basic physical and chemical properties</b>	
· <b>General Information</b>	
· <b>Appearance:</b>	
Form:	Liquid
Colour:	According to product specification
· <b>Odour:</b>	Characteristic
· <b>Odour threshold:</b>	Not determined.
· <b>pH-value:</b>	Not determined.
· <b>Change in condition</b>	
Melting point/freezing point:	-46 °C
Initial boiling point and boiling range:	Undetermined.
· <b>Flash point:</b>	5 °C
· <b>Flammability (solid, gas):</b>	Not applicable.
· <b>Ignition temperature:</b>	525 °C
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto-ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <b>Explosion limits:</b>	
Lower:	4.4 Vol %
Upper:	16 Vol %
· <b>Vapour pressure at 20 °C:</b>	97 hPa
· <b>Density at 20 °C:</b>	0.7822 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	
	Not miscible or difficult to mix.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
Dynamic:	Not determined.
Kinematic:	Not determined.
· <b>Solvent content:</b>	
Organic solvents:	0.0 %
Solids content:	100.0 %
· <b>Other information</b>	No further relevant information available.

### 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

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- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

· <b>LD/LC50 values relevant for classification:</b>		
<b>75-05-8 acetonitrile</b>		
Oral	LD50	2,730 mg/kg (rat)
Dermal	LD50	1,250 mg/kg (rabbit)
<b>2921-88-2 chlorpyrifos (ISO)</b>		
Oral	LD50	135 mg/kg (rat)
Dermal	LD50	202 mg/kg (rat)
<b>7786-34-7 mevinphos (ISO)</b>		
Oral	LD50	4 mg/kg (rat)
Dermal	LD50	4 mg/kg (rat)
<b>285138-81-0 Chlorpyrifos (Diethyl-d10) (ISO)</b>		
Oral	LD50	135 mg/kg (rat)
Dermal	LD50	202 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** Irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful  
Irritant

### 12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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Trade name: ONE Pesticide420 TM Quality Control 1

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## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Must be specially treated adhering to official regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

· <b>UN-Number</b> · <b>ADG, IMDG, IATA</b>	UN1993
· <b>UN proper shipping name</b> · <b>ADG</b>  · <b>IMDG</b>  · <b>IATA</b>	1993 FLAMMABLE LIQUID, N.O.S. (ACETONITRILE), ENVIRONMENTALLY HAZARDOUS FLAMMABLE LIQUID, N.O.S. (ACETONITRILE, Bifenthrin (ISO)), MARINE POLLUTANT FLAMMABLE LIQUID, N.O.S. (ACETONITRILE)
· <b>Transport hazard class(es)</b> · <b>ADG, IMDG</b>	
 	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>IATA</b>	
	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>Packing group</b> · <b>ADG, IMDG, IATA</b>	II
· <b>Environmental hazards:</b> · <b>Marine pollutant:</b> · <b>Special marking (ADG):</b>	Symbol (fish and tree) Symbol (fish and tree)
· <b>Special precautions for user</b> · <b>Hazard identification number (Kemler code):</b> · <b>EMS Number:</b> · <b>Segregation groups</b>  · <b>Stowage Category</b>	Warning: Flammable liquids. 33 F-E, S-E Heavy metals and their salts (including their organometallic compounds) B

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· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
-----	
· <b>ADG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	D/E
-----	
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	UN 1993 FLAMMABLE LIQUID, N.O.S. (ACETONITRILE), 3, II, ENVIRONMENTALLY HAZARDOUS

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· <b>Australian Inventory of Industrial Chemicals</b>		
75-05-8	acetonitrile	
64-18-6	formic acid	
67-56-1	methanol	
51-03-6	Piperonylbutoxide	
113-48-4	MGK 264	
121-20-0	cinerin II	
121-21-1	2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl [1R-[1alpha[S*(Z)],3beta]]-chrysanthemate	
121-29-9	2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl[1R-[1alpha[S*(Z)](3beta)-3-(3-methoxy-2-methyl-3-oxoprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate	
133-06-2	captan (ISO)	
1172-63-0	Jasmolin II	
4466-14-2	Jasmolin I	
25402-06-6	cinerin I	
52645-53-1	permethrin (ISO)	
60207-90-1	propiconazole	
· <b>Standard for the Uniform Scheduling of Medicines and Poisons</b>		
64-18-6	formic acid	S5
67-56-1	methanol	S5, S6
56-72-4	coumaphos (ISO)	S6, S7
60-51-5	dimethoate (ISO)	S6
62-73-7	dichlorvos (ISO)	S5, S6, S7

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Trade name: ONE Pesticide420 TM Quality Control 1

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63-25-2	carbaryl (ISO)	S4, S5, S6
82-68-8	quintozene (ISO)	S5
114-26-1	propoxur (ISO)	S5, S6
116-06-3	aldicarb (ISO)	S7
121-75-5	malathion (ISO)	S3, S5, S6
133-06-2	captan (ISO)	S6
298-00-0	parathion -methyl (ISO)	S6, S7
300-76-5	naled (ISO)	S5, S6
333-41-5	diazinon (ISO)	S5, S6
732-11-6	phosmet (ISO)	S6
1563-66-2	carbofuran (ISO)	S7
1596-84-5	daminozide	S5
2032-65-7	mercaptopdimethur (ISO)	S5, S6, S7
2921-88-2	chlорpyrifos (ISO)	S5, S6
7786-34-7	mevinphos (ISO)	S7
13194-48-4	ethoprophos (ISO)	S6, S7
16752-77-5	methomyl	S6, S7
23031-36-9	prallethrin	S5, S6
23135-22-0	N,N'-dimethylcarbamoyl(methylthio)methylenamine N-methylcarbamate	S7
30560-19-1	acephate (ISO)	S6
35554-44-0	imazalil (ISO)	S5
52645-53-1	permethrin (ISO)	S4, S5, S6
57837-19-1	metalaxyl (ISO)	S5, S6
60207-90-1	propiconazole	S5, S6
68359-37-5	alpha-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	S5, S6

· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**



GHS02 GHS07

· **Signal word** Danger

· **Hazard-determining components of labelling:**

acetonitrile

· **Hazard statements**

Highly flammable liquid and vapour.

Harmful in contact with skin.

Harmful if inhaled.

Causes serious eye irritation.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Use explosion-proof electrical/ventilating/lighting equipment.

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Avoid breathing dust/fume/gas/mist/vapours/spray.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category**

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

The information provided in this Safety Data Sheet is based on our present knowledge, and believed to be correct at the date of publication. However, no representation is made concerning its accuracy and completeness. It is intended as guidance only, and is not to be considered a warranty or quality specification. All materials may present unknown hazards, and should be used with caution. Although certain hazards are described, we cannot guarantee that these are the only hazards which exist. PerkinElmer, Inc. shall not be held liable for any damage resulting from handling or from contact with the product.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

· **Contact:**

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Acute Tox. 4: Acute toxicity – Category 4

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Hazardous according to criteria of Australian Safety and Compensation Council.

## 1 Identification

- **Product identifier**
- **Trade name:** ONE Pesticide420 TM Quality Control 2
- **Product number:** COP-QC-02
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Product category** PC21 Laboratory chemicals
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
PerkinElmer Inc  
549 Albany St  
Boston, MA 02118  
PerkinElmer Inc  
549 Albany St  
Boston, MA 02118 USA  
Supplier/Local:  
-----  
PerkinElmer Australia  
Lvl 2, Bldg 5, Brandon Office Park  
530-540 Springvale Road  
Glen Waverley  
Melbourne  
VIC 3150  
Australia
  - **Emergency telephone number:**  
CHEMTREC (within US) 800-424-9300  
CHEMTREC (from outside US) 1(703)-527-3887
  - **Local Emergency Number CHEMTREC - (Within Australia) +(61)-290372994**
- **Further information obtainable from:**  
US Technical Support  
800-762-4000

## 2 Hazard(s) Identification

- **Classification of the substance or mixture**  
Flam. Liq. 2 H225 Highly flammable liquid and vapour.  
Acute Tox. 4 H312 Harmful in contact with skin.  
Acute Tox. 4 H332 Harmful if inhaled.  
Eye Irrit. 2A H319 Causes serious eye irritation.
- **Additional information:** For the wording of the relevant risk phrases refer to section 16.  
-----
- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

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# Safety Data Sheet

## according to WHS Regulations

Printing date 07.09.2021

Revision: 03.05.2021

Trade name: ONE Pesticide420 TM Quality Control 2

(Contd. of page 1)

· **Hazard pictograms**

GHS02 GHS07

· **Signal word** *Danger*· **Hazard-determining components of labelling:***acetonitrile*· **Hazard statements***Highly flammable liquid and vapour.**Harmful in contact with skin.**Harmful if inhaled.**Causes serious eye irritation.*· **Precautionary statements***Keep away from heat/sparks/open flames/hot surfaces. No smoking.**Use explosion-proof electrical/ventilating/lighting equipment.**Avoid breathing dust/fume/gas/mist/vapours/spray.**IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.**IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.**Continue rinsing.**Dispose of contents/container in accordance with local/regional/national/international regulations.*· **Other hazards**· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

· **Chemical characterisation:** *Mixtures*· **Description:** *Mixture of substances listed below with nonhazardous additions.*· **Dangerous components:**

75-05-8	acetonitrile	75-100%
	Flam. Liq. 2, H225;  Acute Tox. 4, H302, Acute Tox. 4, H312, Acute Tox. 4, H332; Eye Irrit. 2, H319	

· **Additional information:** *For the wording of the relevant risk phrases refer to section 16.*

### 4 First Aid Measures

· **Description of first aid measures**· **General information:***Immediately remove any clothing soiled by the product.**Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.*· **After inhalation:***Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.**In case of unconsciousness place patient stably in side position for transportation.*· **After skin contact:** *Immediately rinse with water.*

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## Safety Data Sheet according to WHS Regulations

Printing date 07.09.2021

Revision: 03.05.2021

**Trade name: ONE Pesticide420 TM Quality Control 2**

(Contd. of page 2)

- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and containers:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.

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# Safety Data Sheet

## according to WHS Regulations

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Revision: 03.05.2021

Trade name: ONE Pesticide420 TM Quality Control 2

(Contd. of page 3)

- **Storage class:** 3
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

75-05-8 acetonitrile (75-100%)

WES	Short-term value: 101 mg/m <sup>3</sup> , 60 ppm
	Long-term value: 67 mg/m <sup>3</sup> , 40 ppm
	Sk

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
 Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing  
 Wash hands before breaks and at the end of work.  
 Avoid contact with the eyes.  
 Avoid contact with the eyes and skin.
- **Respiratory protection:**  
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.  
 Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**  
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

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## Safety Data Sheet according to WHS Regulations

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Trade name: ONE Pesticide420 TM Quality Control 2

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### 9 Physical and Chemical Properties

· <b>Information on basic physical and chemical properties</b>	
· <b>General Information</b>	
· <b>Appearance:</b>	
Form:	Liquid
Colour:	According to product specification
· <b>Odour:</b>	Characteristic
· <b>Odour threshold:</b>	Not determined.
· <b>pH-value:</b>	Not determined.
· <b>Change in condition</b>	
Melting point/freezing point:	-46 °C
Initial boiling point and boiling range:	Undetermined.
· <b>Flash point:</b>	5 °C
· <b>Flammability (solid, gas):</b>	Not applicable.
· <b>Ignition temperature:</b>	525 °C
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto-ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <b>Explosion limits:</b>	
Lower:	4.4 Vol %
Upper:	16 Vol %
· <b>Vapour pressure at 20 °C:</b>	97 hPa
· <b>Density at 20 °C:</b>	0.7822 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	
	Not miscible or difficult to mix.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
Dynamic:	Not determined.
Kinematic:	Not determined.
· <b>Solvent content:</b>	
Organic solvents:	0.0 %
Solids content:	100.0 %
· <b>Other information</b>	No further relevant information available.

### 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

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Trade name: ONE Pesticide420 TM Quality Control 2

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- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

- **LD/LC50 values relevant for classification:**

**75-05-8 acetonitrile**

Oral	LD50	2,730 mg/kg (rat)
Dermal	LD50	1,250 mg/kg (rabbit)

**2921-88-2 chlorpyrifos (ISO)**

Oral	LD50	135 mg/kg (rat)
Dermal	LD50	202 mg/kg (rat)

**7786-34-7 mevinphos (ISO)**

Oral	LD50	4 mg/kg (rat)
Dermal	LD50	4 mg/kg (rat)

**285138-81-0 Chlorpyrifos (Diethyl-d10) (ISO)**

Oral	LD50	135 mg/kg (rat)
Dermal	LD50	202 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** Irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful  
Irritant

### 12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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# Safety Data Sheet

according to WHS Regulations

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Trade name: ONE Pesticide420 TM Quality Control 2

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## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Must be specially treated adhering to official regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

· <b>UN-Number</b> · <b>ADG, IMDG, IATA</b>	UN1993
· <b>UN proper shipping name</b> · <b>ADG</b>  · <b>IMDG</b>  · <b>IATA</b>	1993 FLAMMABLE LIQUID, N.O.S. (ACETONITRILE), ENVIRONMENTALLY HAZARDOUS FLAMMABLE LIQUID, N.O.S. (ACETONITRILE, Bifenthrin (ISO)), MARINE POLLUTANT FLAMMABLE LIQUID, N.O.S. (ACETONITRILE)
· <b>Transport hazard class(es)</b> · <b>ADG, IMDG</b>	
 	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>IATA</b>	
	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>Packing group</b> · <b>ADG, IMDG, IATA</b>	II
· <b>Environmental hazards:</b> · <b>Marine pollutant:</b> · <b>Special marking (ADG):</b>	Symbol (fish and tree) Symbol (fish and tree)
· <b>Special precautions for user</b> · <b>Hazard identification number (Kemler code):</b> · <b>EMS Number:</b> · <b>Segregation groups</b>  · <b>Stowage Category</b>	Warning: Flammable liquids. 33 F-E, S-E Heavy metals and their salts (including their organometallic compounds) B

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## Safety Data Sheet

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Trade name: ONE Pesticide420 TM Quality Control 2

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· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	D/E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	UN 1993 FLAMMABLE LIQUID, N.O.S. (ACETONITRILE), 3, II, ENVIRONMENTALLY HAZARDOUS

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· <b>Australian Inventory of Industrial Chemicals</b>		
75-05-8	acetonitrile	
64-18-6	formic acid	
67-56-1	methanol	
51-03-6	Piperonylbutoxide	
113-48-4	MGK 264	
121-20-0	cinerin II	
121-21-1	2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl [1R-[1alpha[S*(Z)],3beta]]-chrysanthemate	
121-29-9	2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl[1R-[1alpha[S*(Z)](3beta)-3-(3-methoxy-2-methyl-3-oxoprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate	
133-06-2	captan (ISO)	
1172-63-0	Jasmolin II	
4466-14-2	Jasmolin I	
25402-06-6	cinerin I	
52645-53-1	permethrin (ISO)	
60207-90-1	propiconazole	
· <b>Standard for the Uniform Scheduling of Medicines and Poisons</b>		
64-18-6	formic acid	S5
67-56-1	methanol	S5, S6
56-72-4	coumaphos (ISO)	S6, S7
60-51-5	dimethoate (ISO)	S6
62-73-7	dichlorvos (ISO)	S5, S6, S7

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**Trade name: ONE Pesticide420 TM Quality Control 2**

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63-25-2	carbaryl (ISO)	S4, S5, S6
82-68-8	quintozene (ISO)	S5
114-26-1	propoxur (ISO)	S5, S6
116-06-3	aldicarb (ISO)	S7
121-75-5	malathion (ISO)	S3, S5, S6
133-06-2	captan (ISO)	S6
298-00-0	parathion -methyl (ISO)	S6, S7
300-76-5	naled (ISO)	S5, S6
333-41-5	diazinon (ISO)	S5, S6
732-11-6	phosmet (ISO)	S6
1563-66-2	carbofuran (ISO)	S7
1596-84-5	daminozide	S5
2032-65-7	mercaptopdimethur (ISO)	S5, S6, S7
2921-88-2	chlorpyrifos (ISO)	S5, S6
7786-34-7	mevinphos (ISO)	S7
13194-48-4	ethoprophos (ISO)	S6, S7
16752-77-5	methomyl	S6, S7
23031-36-9	prallethrin	S5, S6
23135-22-0	N,N'-dimethylcarbamoyl(methylthio)methylenamine N-methylcarbamate	S7
30560-19-1	acephate (ISO)	S6
35554-44-0	imazalil (ISO)	S5
52645-53-1	permethrin (ISO)	S4, S5, S6
57837-19-1	metalaxyl (ISO)	S5, S6
60207-90-1	propiconazole	S5, S6
68359-37-5	alpha-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	S5, S6

**· Australia: Priority Existing Chemicals**

None of the ingredients is listed.

**· GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

**· Hazard pictograms**


GHS02 GHS07

**· Signal word** Danger

**· Hazard-determining components of labelling:**

acetonitrile

**· Hazard statements**

Highly flammable liquid and vapour.

Harmful in contact with skin.

Harmful if inhaled.

Causes serious eye irritation.

**· Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Use explosion-proof electrical/ventilating/lighting equipment.

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# Safety Data Sheet

## according to WHS Regulations

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Revision: 03.05.2021

**Trade name: ONE Pesticide420 TM Quality Control 2**

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Avoid breathing dust/fume/gas/mist/vapours/spray.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category**
- E2 Hazardous to the Aquatic Environment
- P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

The information provided in this Safety Data Sheet is based on our present knowledge, and believed to be correct at the date of publication. However, no representation is made concerning its accuracy and completeness. It is intended as guidance only, and is not to be considered a warranty or quality specification. All materials may present unknown hazards, and should be used with caution. Although certain hazards are described, we cannot guarantee that these are the only hazards which exist. PerkinElmer, Inc. shall not be held liable for any damage resulting from handling or from contact with the product.

- **Relevant phrases**
- H225 Highly flammable liquid and vapour.
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- **Contact:**
- **Abbreviations and acronyms:**
- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 2: Flammable liquids – Category 2
- Acute Tox. 4: Acute toxicity – Category 4
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

AU

*Hazardous according to criteria of Australian Safety and Compensation Council.*

## 1 Identification

- **Product identifier**
- **Trade name:** ONE Pesticide420 TM Quality Control 3
- **Product number:** COP-QC-03
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Product category** PC21 Laboratory chemicals
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
PerkinElmer Inc  
549 Albany St  
Boston, MA 02118  
PerkinElmer Inc  
549 Albany St  
Boston, MA 02118 USA  
Supplier/Local:  
-----  
PerkinElmer Australia  
Lvl 2, Bldg 5, Brandon Office Park  
530-540 Springvale Road  
Glen Waverley  
Melbourne  
VIC 3150  
Australia
  - **Emergency telephone number:**  
CHEMTREC (within US) 800-424-9300  
CHEMTREC (from outside US) 1(703)-527-3887
  - **Local Emergency Number CHEMTREC - (Within Australia) +(61)-290372994**
- **Further information obtainable from:**  
US Technical Support  
800-762-4000

## 2 Hazard(s) Identification

- **Classification of the substance or mixture**  
Flam. Liq. 2 H225 Highly flammable liquid and vapour.  
Acute Tox. 4 H312 Harmful in contact with skin.  
Acute Tox. 4 H332 Harmful if inhaled.  
Eye Irrit. 2A H319 Causes serious eye irritation.
- **Additional information:** For the wording of the relevant risk phrases refer to section 16.  
-----
- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

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# Safety Data Sheet

## according to WHS Regulations

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Trade name: ONE Pesticide420 TM Quality Control 3

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· **Hazard pictograms**

GHS02 GHS07

· **Signal word** *Danger*· **Hazard-determining components of labelling:***acetonitrile*· **Hazard statements***Highly flammable liquid and vapour.**Harmful in contact with skin.**Harmful if inhaled.**Causes serious eye irritation.*· **Precautionary statements***Keep away from heat/sparks/open flames/hot surfaces. No smoking.**Use explosion-proof electrical/ventilating/lighting equipment.**Avoid breathing dust/fume/gas/mist/vapours/spray.**IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.**IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.**Continue rinsing.**Dispose of contents/container in accordance with local/regional/national/international regulations.*· **Other hazards**· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

· **Chemical characterisation:** *Mixtures*· **Description:** *Mixture of substances listed below with nonhazardous additions.*· **Dangerous components:**

75-05-8	acetonitrile	75-100%
	Flam. Liq. 2, H225;  Acute Tox. 4, H302, Acute Tox. 4, H312, Acute Tox. 4, H332; Eye Irrit. 2, H319	

· **Additional information:** *For the wording of the relevant risk phrases refer to section 16.*

### 4 First Aid Measures

· **Description of first aid measures**· **General information:***Immediately remove any clothing soiled by the product.**Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.*· **After inhalation:***Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.**In case of unconsciousness place patient stably in side position for transportation.*· **After skin contact:** *Immediately rinse with water.*

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## Safety Data Sheet according to WHS Regulations

Printing date 07.09.2021

Revision: 03.05.2021

**Trade name: ONE Pesticide420 TM Quality Control 3**

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- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and containers:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.

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- **Storage class:** 3
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

**75-05-8 acetonitrile (75-100%)**

WES	Short-term value: 101 mg/m <sup>3</sup> , 60 ppm
	Long-term value: 67 mg/m <sup>3</sup> , 40 ppm
	Sk

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
  - Keep away from foodstuffs, beverages and feed.
  - Immediately remove all soiled and contaminated clothing
  - Wash hands before breaks and at the end of work.
  - Avoid contact with the eyes.
  - Avoid contact with the eyes and skin.
- **Respiratory protection:**
  - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
  - Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**
  - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
  - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

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### 9 Physical and Chemical Properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Liquid
Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/freezing point:	-46 °C
Initial boiling point and boiling range:	Undetermined.
· Flash point:	5 °C
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	525 °C
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Explosion limits:	
Lower:	4.4 Vol %
Upper:	16 Vol %
· Vapour pressure at 20 °C:	97 hPa
· Density at 20 °C:	0.7822 g/cm <sup>3</sup>
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	
	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	0.0 %
Solids content:	100.0 %
· Other information	No further relevant information available.

### 10 Stability and Reactivity

- Reactivity No further relevant information available.
- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

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- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

· <b>LD/LC50 values relevant for classification:</b>		
<b>75-05-8 acetonitrile</b>		
Oral	LD50	2,730 mg/kg (rat)
Dermal	LD50	1,250 mg/kg (rabbit)
<b>2921-88-2 chlorpyrifos (ISO)</b>		
Oral	LD50	135 mg/kg (rat)
Dermal	LD50	202 mg/kg (rat)
<b>7786-34-7 mevinphos (ISO)</b>		
Oral	LD50	4 mg/kg (rat)
Dermal	LD50	4 mg/kg (rat)
<b>285138-81-0 Chlorpyrifos (Diethyl-d10) (ISO)</b>		
Oral	LD50	135 mg/kg (rat)
Dermal	LD50	202 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** Irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful  
Irritant

### 12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Must be specially treated adhering to official regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

<ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> <li>· <b>ADG, IMDG, IATA</b></li> </ul>	UN1993
<ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> <li>· <b>ADG</b></li> <li>· <b>IMDG</b></li> <li>· <b>IATA</b></li> </ul>	1993 FLAMMABLE LIQUID, N.O.S. (ACETONITRILE), ENVIRONMENTALLY HAZARDOUS FLAMMABLE LIQUID, N.O.S. (ACETONITRILE, Bifenthrin (ISO)), MARINE POLLUTANT FLAMMABLE LIQUID, N.O.S. (ACETONITRILE)
<ul style="list-style-type: none"> <li>· <b>Transport hazard class(es)</b></li> <li>· <b>ADG, IMDG</b></li> </ul>	<div style="display: flex; align-items: center; gap: 10px;">   </div>
<ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul>	3 Flammable liquids. 3
<ul style="list-style-type: none"> <li>· <b>IATA</b></li> </ul>	<div style="display: flex; align-items: center; gap: 10px;">  </div>
<ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul>	3 Flammable liquids. 3
<ul style="list-style-type: none"> <li>· <b>Packing group</b></li> <li>· <b>ADG, IMDG, IATA</b></li> </ul>	II
<ul style="list-style-type: none"> <li>· <b>Environmental hazards:</b></li> <li>· <b>Marine pollutant:</b></li> <li>· <b>Special marking (ADG):</b></li> </ul>	Symbol (fish and tree) Symbol (fish and tree)
<ul style="list-style-type: none"> <li>· <b>Special precautions for user</b></li> <li>· <b>Hazard identification number (Kemler code):</b></li> <li>· <b>EMS Number:</b></li> <li>· <b>Segregation groups</b></li> <li>· <b>Stowage Category</b></li> </ul>	Warning: Flammable liquids. 33 F-E, S-E Heavy metals and their salts (including their organometallic compounds) B

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· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
-----	
· <b>ADG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	D/E
-----	
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	UN 1993 FLAMMABLE LIQUID, N.O.S. (ACETONITRILE), 3, II, ENVIRONMENTALLY HAZARDOUS

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· <b>Australian Inventory of Industrial Chemicals</b>		
75-05-8	acetonitrile	
64-18-6	formic acid	
67-56-1	methanol	
51-03-6	Piperonylbutoxide	
113-48-4	MGK 264	
121-20-0	cinerin II	
121-21-1	2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl [1R-[1alpha[S*(Z)],3beta]]-chrysanthemate	
121-29-9	2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl[1R-[1alpha[S*(Z)](3beta)-3-(3-methoxy-2-methyl-3-oxoprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate	
133-06-2	captan (ISO)	
1172-63-0	Jasmolin II	
4466-14-2	Jasmolin I	
25402-06-6	cinerin I	
52645-53-1	permethrin (ISO)	
60207-90-1	propiconazole	
· <b>Standard for the Uniform Scheduling of Medicines and Poisons</b>		
64-18-6	formic acid	S5
67-56-1	methanol	S5, S6
56-72-4	coumaphos (ISO)	S6, S7
60-51-5	dimethoate (ISO)	S6
62-73-7	dichlorvos (ISO)	S5, S6, S7

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63-25-2	carbaryl (ISO)	S4, S5, S6
82-68-8	quintozene (ISO)	S5
114-26-1	propoxur (ISO)	S5, S6
116-06-3	aldicarb (ISO)	S7
121-75-5	malathion (ISO)	S3, S5, S6
133-06-2	captan (ISO)	S6
298-00-0	parathion -methyl (ISO)	S6, S7
300-76-5	naled (ISO)	S5, S6
333-41-5	diazinon (ISO)	S5, S6
732-11-6	phosmet (ISO)	S6
1563-66-2	carbofuran (ISO)	S7
1596-84-5	daminozide	S5
2032-65-7	mercaptopdimethur (ISO)	S5, S6, S7
2921-88-2	chlorpyrifos (ISO)	S5, S6
7786-34-7	mevinphos (ISO)	S7
13194-48-4	ethoprophos (ISO)	S6, S7
16752-77-5	methomyl	S6, S7
23031-36-9	prallethrin	S5, S6
23135-22-0	N,N'-dimethylcarbamoyl(methylthio)methylenamine N-methylcarbamate	S7
30560-19-1	acephate (ISO)	S6
35554-44-0	imazalil (ISO)	S5
52645-53-1	permethrin (ISO)	S4, S5, S6
57837-19-1	metalaxyl (ISO)	S5, S6
60207-90-1	propiconazole	S5, S6
68359-37-5	alpha-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	S5, S6

· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**



GHS02 GHS07

· **Signal word** Danger

· **Hazard-determining components of labelling:**

acetonitrile

· **Hazard statements**

Highly flammable liquid and vapour.

Harmful in contact with skin.

Harmful if inhaled.

Causes serious eye irritation.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Use explosion-proof electrical/ventilating/lighting equipment.

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*Avoid breathing dust/fume/gas/mist/vapours/spray.*

*IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.*

*IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

*Dispose of contents/container in accordance with local/regional/national/international regulations.*

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category**

*E2 Hazardous to the Aquatic Environment*

*P5c FLAMMABLE LIQUIDS*

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

*The information provided in this Safety Data Sheet is based on our present knowledge, and believed to be correct at the date of publication. However, no representation is made concerning its accuracy and completeness. It is intended as guidance only, and is not to be considered a warranty or quality specification. All materials may present unknown hazards, and should be used with caution. Although certain hazards are described, we cannot guarantee that these are the only hazards which exist. PerkinElmer, Inc. shall not be held liable for any damage resulting from handling or from contact with the product.*

· **Relevant phrases**

*H225 Highly flammable liquid and vapour.*

*H302 Harmful if swallowed.*

*H312 Harmful in contact with skin.*

*H319 Causes serious eye irritation.*

*H332 Harmful if inhaled.*

· **Contact:**

· **Abbreviations and acronyms:**

*ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)*

*IMDG: International Maritime Code for Dangerous Goods*

*IATA: International Air Transport Association*

*EINECS: European Inventory of Existing Commercial Chemical Substances*

*ELINCS: European List of Notified Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*Flam. Liq. 2: Flammable liquids – Category 2*

*Acute Tox. 4: Acute toxicity – Category 4*

*Eye Irrit. 2: Serious eye damage/eye irritation – Category 2*

*Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A*

Hazardous according to criteria of Australian Safety and Compensation Council.

## 1 Identification

- **Product identifier**
- **Trade name:** ONE Pesticide420 TM Stock Calibrator
- **Product number:** COP-StockCal
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Product category** PC21 Laboratory chemicals
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
PerkinElmer Inc  
549 Albany St  
Boston, MA 02118  
PerkinElmer Inc  
549 Albany St  
Boston, MA 02118 USA  
Supplier/Local:  
-----  
PerkinElmer Australia  
Lvl 2, Bldg 5, Brandon Office Park  
530-540 Springvale Road  
Glen Waverley  
Melbourne  
VIC 3150  
Australia
  - **Emergency telephone number:**  
CHEMTREC (within US) 800-424-9300  
CHEMTREC (from outside US) 1(703)-527-3887
  - **Local Emergency Number CHEMTREC - (Within Australia) +(61)-290372994**
- **Further information obtainable from:**  
US Technical Support  
800-762-4000

## 2 Hazard(s) Identification

- **Classification of the substance or mixture**  
Flam. Liq. 2 H225 Highly flammable liquid and vapour.  
Acute Tox. 4 H312 Harmful in contact with skin.  
Acute Tox. 4 H332 Harmful if inhaled.  
Eye Irrit. 2A H319 Causes serious eye irritation.
- **Additional information:** For the wording of the relevant risk phrases refer to section 16.  
-----
- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

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## · Hazard pictograms



GHS02 GHS07

· Signal word *Danger*

## · Hazard-determining components of labelling:

*acetonitrile*

## · Hazard statements

*Highly flammable liquid and vapour.**Harmful in contact with skin.**Harmful if inhaled.**Causes serious eye irritation.*

## · Precautionary statements

*Keep away from heat/sparks/open flames/hot surfaces. No smoking.**Use explosion-proof electrical/ventilating/lighting equipment.**Avoid breathing dust/fume/gas/mist/vapours/spray.**IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.**IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.**Continue rinsing.**Dispose of contents/container in accordance with local/regional/national/international regulations.*

## · Other hazards

## · Results of PBT and vPvB assessment

· **PBT:** Not applicable.· **vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

· Chemical characterisation: *Mixtures*· **Description:** *Mixture of substances listed below with nonhazardous additions.*

## · Dangerous components:

75-05-8	acetonitrile	75-100%
	Flam. Liq. 2, H225;  Acute Tox. 4, H302, Acute Tox. 4, H312, Acute Tox. 4, H332; Eye Irrit. 2, H319	

· **Additional information:** *For the wording of the relevant risk phrases refer to section 16.*

### 4 First Aid Measures

## · Description of first aid measures

## · General information:

*Immediately remove any clothing soiled by the product.**Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.*

## · After inhalation:

*Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.**In case of unconsciousness place patient stably in side position for transportation.*· **After skin contact:** *Immediately rinse with water.*

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- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and containers:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.

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- **Storage class:** 3
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

75-05-8 acetonitrile (75-100%)

WES	Short-term value: 101 mg/m <sup>3</sup> , 60 ppm
	Long-term value: 67 mg/m <sup>3</sup> , 40 ppm
	Sk

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
  - Keep away from foodstuffs, beverages and feed.
  - Immediately remove all soiled and contaminated clothing
  - Wash hands before breaks and at the end of work.
  - Avoid contact with the eyes.
  - Avoid contact with the eyes and skin.
- **Respiratory protection:**
  - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
  - Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**
  - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
  - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

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Trade name: ONE Pesticide420 TM Stock Calibrator

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### 9 Physical and Chemical Properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Liquid
Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/freezing point:	-46 °C
Initial boiling point and boiling range:	Undetermined.
· Flash point:	5 °C
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	525 °C
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Explosion limits:	
Lower:	4.4 Vol %
Upper:	16 Vol %
· Vapour pressure at 20 °C:	97 hPa
· Density at 20 °C:	0.7822 g/cm <sup>3</sup>
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	
	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	0.0 %
Solids content:	100.0 %
· Other information	No further relevant information available.

### 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

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# Safety Data Sheet

## according to WHS Regulations

Printing date 07.09.2021

Revision: 03.05.2021

**Trade name: ONE Pesticide420 TM Stock Calibrator**

(Contd. of page 5)

- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

- **LD/LC50 values relevant for classification:**

#### 75-05-8 acetonitrile

Oral	LD50	2,730 mg/kg (rat)
Dermal	LD50	1,250 mg/kg (rabbit)

#### 2921-88-2 chlorpyrifos (ISO)

Oral	LD50	135 mg/kg (rat)
Dermal	LD50	202 mg/kg (rat)

#### 7786-34-7 mevinphos (ISO)

Oral	LD50	4 mg/kg (rat)
Dermal	LD50	4 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** Irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Harmful  
Irritant

### 12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Must be specially treated adhering to official regulations.

(Contd. on page 7)

# Safety Data Sheet

according to WHS Regulations

Printing date 07.09.2021




Revision: 03.05.2021

Trade name: ONE Pesticide420 TM Stock Calibrator

(Contd. of page 6)

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

· <b>UN-Number</b> · <b>ADG, IMDG, IATA</b>	UNI993
· <b>UN proper shipping name</b> · <b>ADG</b> · <b>IMDG</b> · <b>IATA</b>	1993 FLAMMABLE LIQUID, N.O.S. (ACETONITRILE), ENVIRONMENTALLY HAZARDOUS FLAMMABLE LIQUID, N.O.S. (ACETONITRILE, Bifenthrin (ISO)), MARINE POLLUTANT FLAMMABLE LIQUID, N.O.S. (ACETONITRILE)
· <b>Transport hazard class(es)</b> · <b>ADG, IMDG</b>	
 	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>IATA</b>	
	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>Packing group</b> · <b>ADG, IMDG, IATA</b>	II
· <b>Environmental hazards:</b> · <b>Marine pollutant:</b> · <b>Special marking (ADG):</b>	Symbol (fish and tree) Symbol (fish and tree)
· <b>Special precautions for user</b> · <b>Hazard identification number (Kemler code):</b> · <b>EMS Number:</b> · <b>Segregation groups</b> · <b>Stowage Category</b>	Warning: Flammable liquids. 33 F-E, S-E Heavy metals and their salts (including their organometallic compounds) B
· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADG</b> · <b>Limited quantities (LQ)</b>	1L

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## Safety Data Sheet

according to WHS Regulations

Printing date 07.09.2021

Revision: 03.05.2021

Trade name: ONE Pesticide420 TM Stock Calibrator

(Contd. of page 7)

· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	D/E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	UN 1993 FLAMMABLE LIQUID, N.O.S. (ACETONITRILE), 3, II, ENVIRONMENTALLY HAZARDOUS

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Australian Inventory of Industrial Chemicals**

75-05-8	acetonitrile
64-18-6	formic acid
67-56-1	methanol
51-03-6	Piperonylbutoxide
113-48-4	MGK 264
121-20-0	cinerin II
121-21-1	2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl [1R-[1alpha[S*(Z)],3beta]]-chrysanthemate
121-29-9	2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl[1R-[1alpha[S*(Z)](3beta)-3-(3-methoxy-2-methyl-3-oxoprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate
133-06-2	captan (ISO)
1172-63-0	Jasmolin II
4466-14-2	Jasmolin I
25402-06-6	cinerin I
52645-53-1	permethrin (ISO)
60207-90-1	propiconazole

· **Standard for the Uniform Scheduling of Medicines and Poisons**

64-18-6	formic acid	S5
67-56-1	methanol	S5, S6
56-72-4	coumaphos (ISO)	S6, S7
60-51-5	dimethoate (ISO)	S6
62-73-7	dichlorvos (ISO)	S5, S6, S7
63-25-2	carbaryl (ISO)	S4, S5, S6
82-68-8	quintozene (ISO)	S5
114-26-1	propoxur (ISO)	S5, S6
116-06-3	aldicarb (ISO)	S7
121-75-5	malathion (ISO)	S3, S5, S6

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## Safety Data Sheet

according to WHS Regulations

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Trade name: ONE Pesticide420 TM Stock Calibrator

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133-06-2	captan (ISO)	S6
298-00-0	parathion -methyl (ISO)	S6, S7
300-76-5	naled (ISO)	S5, S6
333-41-5	diazinon (ISO)	S5, S6
732-11-6	phosmet (ISO)	S6
1563-66-2	carbofuran (ISO)	S7
1596-84-5	daminozide	S5
2032-65-7	mercaptodimethur (ISO)	S5, S6, S7
2921-88-2	chlorpyrifos (ISO)	S5, S6
7786-34-7	mevinphos (ISO)	S7
13194-48-4	ethoprophos (ISO)	S6, S7
16752-77-5	methomyl	S6, S7
23031-36-9	prallethrin	S5, S6
23135-22-0	N,N'-dimethylcarbamoyl(methylthio)methylenamine N-methylcarbamate	S7
30560-19-1	acephate (ISO)	S6
35554-44-0	imazalil (ISO)	S5
52645-53-1	permethrin (ISO)	S4, S5, S6
57837-19-1	metalaxyl (ISO)	S5, S6
60207-90-1	propiconazole	S5, S6
68359-37-5	alpha-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	S5, S6

· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**



GHS02 GHS07

· **Signal word** Danger

· **Hazard-determining components of labelling:**

acetonitrile

· **Hazard statements**

Highly flammable liquid and vapour.

Harmful in contact with skin.

Harmful if inhaled.

Causes serious eye irritation.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Use explosion-proof electrical/ventilating/lighting equipment.

Avoid breathing dust/fume/gas/mist/vapours/spray.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Dispose of contents/container in accordance with local/regional/national/international regulations.

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# Safety Data Sheet

## according to WHS Regulations

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**Trade name: ONE Pesticide420 TM Stock Calibrator**

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- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category**  
E2 Hazardous to the Aquatic Environment  
P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

The information provided in this Safety Data Sheet is based on our present knowledge, and believed to be correct at the date of publication. However, no representation is made concerning its accuracy and completeness. It is intended as guidance only, and is not to be considered a warranty or quality specification. All materials may present unknown hazards, and should be used with caution. Although certain hazards are described, we cannot guarantee that these are the only hazards which exist. PerkinElmer, Inc. shall not be held liable for any damage resulting from handling or from contact with the product.

- **Relevant phrases**

H225 Highly flammable liquid and vapour.  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.

- **Contact:**

- **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 2: Flammable liquids – Category 2  
Acute Tox. 4: Acute toxicity – Category 4  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Hazardous according to criteria of Australian Safety and Compensation Council.

## 1 Identification

- **Product identifier**
- **Trade name:** ONE Pesticide420 TM Internal Standard
- **Product number:** COP-IntStd
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Product category** PC21 Laboratory chemicals
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
PerkinElmer Inc  
549 Albany St  
Boston, MA 02118  
PerkinElmer Inc  
549 Albany St  
Boston, MA 02118 USA  
Supplier/Local:  
-----  
PerkinElmer Australia  
Lvl 2, Bldg 5, Brandon Office Park  
530-540 Springvale Road  
Glen Waverley  
Melbourne  
VIC 3150  
Australia
  - **Emergency telephone number:**  
CHEMTREC (within US) 800-424-9300  
CHEMTREC (from outside US) 1(703)-527-3887
  - **Local Emergency Number CHEMTREC - (Within Australia) +(61)-290372994**
- **Further information obtainable from:**  
US Technical Support  
800-762-4000

## 2 Hazard(s) Identification

- **Classification of the substance or mixture**  
Flam. Liq. 2 H225 Highly flammable liquid and vapour.  
Acute Tox. 4 H312 Harmful in contact with skin.  
Acute Tox. 4 H332 Harmful if inhaled.  
Eye Irrit. 2A H319 Causes serious eye irritation.
- **Additional information:** For the wording of the relevant risk phrases refer to section 16.  
-----
- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

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Trade name: ONE Pesticide420 TM Internal Standard

(Contd. of page 1)

## · Hazard pictograms



GHS02 GHS07

· Signal word *Danger*

## · Hazard-determining components of labelling:

*acetonitrile*

## · Hazard statements

*Highly flammable liquid and vapour.**Harmful in contact with skin.**Harmful if inhaled.**Causes serious eye irritation.*

## · Precautionary statements

*Keep away from heat/sparks/open flames/hot surfaces. No smoking.**Use explosion-proof electrical/ventilating/lighting equipment.**Avoid breathing dust/fume/gas/mist/vapours/spray.**IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.**IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.**Continue rinsing.**Dispose of contents/container in accordance with local/regional/national/international regulations.*

## · Other hazards

## · Results of PBT and vPvB assessment

· **PBT:** Not applicable.· **vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

· Chemical characterisation: *Mixtures*· **Description:** *Mixture of substances listed below with nonhazardous additions.*

## · Dangerous components:

75-05-8	acetonitrile	75-100%
	Flam. Liq. 2, H225;  Acute Tox. 4, H302, Acute Tox. 4, H312, Acute Tox. 4, H332; Eye Irrit. 2, H319	

· **Additional information:** *For the wording of the relevant risk phrases refer to section 16.*

### 4 First Aid Measures

## · Description of first aid measures

## · General information:

*Immediately remove any clothing soiled by the product.**Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.*

## · After inhalation:

*Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.**In case of unconsciousness place patient stably in side position for transportation.*· **After skin contact:** *Immediately rinse with water.*

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## Safety Data Sheet according to WHS Regulations

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(Contd. of page 2)

- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and containers:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.

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# Safety Data Sheet

according to WHS Regulations

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**Trade name: ONE Pesticide420 TM Internal Standard**

(Contd. of page 3)

- **Storage class:** 3
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

**75-05-8 acetonitrile (75-100%)**

WES	Short-term value: 101 mg/m <sup>3</sup> , 60 ppm
	Long-term value: 67 mg/m <sup>3</sup> , 40 ppm
	Sk

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
 Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing  
 Wash hands before breaks and at the end of work.  
 Avoid contact with the eyes.  
 Avoid contact with the eyes and skin.
- **Respiratory protection:**  
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.  
 Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**  
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

AU

(Contd. on page 5)

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Trade name: ONE Pesticide420 TM Internal Standard

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## 9 Physical and Chemical Properties

· <b>Information on basic physical and chemical properties</b>	
· <b>General Information</b>	
· <b>Appearance:</b>	
Form:	Liquid
Colour:	According to product specification
· <b>Odour:</b>	Characteristic
· <b>Odour threshold:</b>	Not determined.
· <b>pH-value:</b>	Not determined.
· <b>Change in condition</b>	
Melting point/freezing point:	-46 °C
Initial boiling point and boiling range:	Undetermined.
· <b>Flash point:</b>	5 °C
· <b>Flammability (solid, gas):</b>	Not applicable.
· <b>Ignition temperature:</b>	525 °C
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto-ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <b>Explosion limits:</b>	
Lower:	4.4 Vol %
Upper:	16 Vol %
· <b>Vapour pressure at 20 °C:</b>	97 hPa
· <b>Density at 20 °C:</b>	0.7822 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	
	Not miscible or difficult to mix.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
Dynamic at 20 °C:	0.39 mPas
Kinematic:	Not determined.
· <b>Solvent content:</b>	
Organic solvents:	0.0 %
Solids content:	0.0 %
· <b>Other information</b>	No further relevant information available.

## 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

(Contd. on page 6)

# Safety Data Sheet

## according to WHS Regulations

Printing date 07.09.2021

Revision: 03.05.2021

**Trade name: ONE Pesticide420 TM Internal Standard**

(Contd. of page 5)

- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

- **LD/LC50 values relevant for classification:**

#### 75-05-8 acetonitrile

Oral	LD50	2,730 mg/kg (rat)
Dermal	LD50	1,250 mg/kg (rabbit)

#### 285138-81-0 Chlorpyrifos (Diethyl-d10) (ISO)

Oral	LD50	135 mg/kg (rat)
Dermal	LD50	202 mg/kg (rat)

#### 1189877-72-2 malathion-d6 (ISO)

Oral	LD50	885 mg/kg (rat)
------	------	-----------------

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** Irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Harmful  
Irritant

### 12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Must be specially treated adhering to official regulations.

(Contd. on page 7)

AU

# Safety Data Sheet

according to WHS Regulations

Printing date 07.09.2021




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Trade name: ONE Pesticide420 TM Internal Standard

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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

· <b>UN-Number</b> · <b>ADG, IMDG, IATA</b>	UNI993
· <b>UN proper shipping name</b> · <b>ADG</b> · <b>IMDG</b> · <b>IATA</b>	1993 FLAMMABLE LIQUID, N.O.S. (ACETONITRILE), ENVIRONMENTALLY HAZARDOUS FLAMMABLE LIQUID, N.O.S. (ACETONITRILE, Chlorpyrifos (Diethyl-d10) (ISO)), MARINE POLLUTANT FLAMMABLE LIQUID, N.O.S. (ACETONITRILE)
· <b>Transport hazard class(es)</b> · <b>ADG, IMDG</b>	
 	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>IATA</b>	
	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>Packing group</b> · <b>ADG, IMDG, IATA</b>	II
· <b>Environmental hazards:</b> · <b>Marine pollutant:</b> · <b>Special marking (ADG):</b>	Symbol (fish and tree) Symbol (fish and tree)
· <b>Special precautions for user</b> · <b>Hazard identification number (Kemler code):</b> · <b>EMS Number:</b> · <b>Segregation groups</b>	Warning: Flammable liquids. 33 F-E, S-E Heavy metals and their salts (including their organometallic compounds)
· <b>Stowage Category</b>	B
· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADG</b> · <b>Limited quantities (LQ)</b>	1L

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## Safety Data Sheet

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Trade name: ONE Pesticide420 TM Internal Standard

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· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	D/E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	UN 1993 FLAMMABLE LIQUID, N.O.S. (ACETONITRILE), 3, II, ENVIRONMENTALLY HAZARDOUS

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Australian Inventory of Industrial Chemicals**

75-05-8	acetonitrile
64-18-6	formic acid
67-56-1	methanol

· **Standard for the Uniform Scheduling of Medicines and Poisons**

64-18-6	formic acid	S5
67-56-1	methanol	S5, S6
1330190-00-5	Captan-d6	S6
203645-53-8	dichlorvos-d6 (ISO)	S5, S6, S7
1015855-75-0	imidacloprid-d4 (ISO)	S5, S6
1216605-57-0	Naled-d6 (ISO)	S5, S6
	daminozide-d4	S5
96740-32-8	parathion -methyl (ISO)-d6	S6, S7
1794760-19-2	permethrin-d5 (ISO)	S4, S5, S6
	quintozene-13C6 (ISO)	S5
285138-81-0	Chlorpyrifos (Diethyl-d10) (ISO)	S5, S6
1189877-72-2	malathion-d6 (ISO)	S3, S5, S6
163165-75-1	Atrazine-d5	S5
362049-56-7	carbaryl-d7 (ISO)	S4, S5, S6
	Fludioxonil-13C3	S5
1294048-82-0	thiamethoxam-d3 (ISO)	S5, S6
	myclobutanil-d9	S5
	2-tert-butyl-5-(4-tert-butylbenzylthio)-4-chloropyridazin-3(2H)-one-d13	S5, S6
203313-25-1	spirotetramat (ISO)	S6
287397-86-8	Coumaphos-d10 (ISO)	S6, S7
1219794-81-6	dimethoate-d6 (ISO)	S6
	phosmet-d6 (ISO)	S6

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	fipronil-13C2 15N2 (ISO)	S5, S6
	trifloxystrobin-d6 (ISO)	S5

**· Australia: Priority Existing Chemicals**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

**· Hazard pictograms**


GHS02 GHS07

· **Signal word** *Danger*

**· Hazard-determining components of labelling:**

acetonitrile

**· Hazard statements**

Highly flammable liquid and vapour.

Harmful in contact with skin.

Harmful if inhaled.

Causes serious eye irritation.

**· Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Use explosion-proof electrical/ventilating/lighting equipment.

Avoid breathing dust/fume/gas/mist/vapours/spray.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Dispose of contents/container in accordance with local/regional/national/international regulations.

**· Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

**· Seveso category**

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

The information provided in this Safety Data Sheet is based on our present knowledge, and believed to be correct at the date of publication. However, no representation is made concerning its accuracy and completeness. It is intended as guidance only, and is not to be considered a warranty or quality specification. All materials may present unknown hazards, and should be used with caution. Although certain hazards are described, we cannot guarantee that these are the only hazards which exist. PerkinElmer, Inc. shall not be held liable for any damage resulting from handling or from contact with the product.

**· Relevant phrases**

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H319 Causes serious eye irritation.

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*H332 Harmful if inhaled.*

· **Contact:**

· **Abbreviations and acronyms:**

*ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)*

*IMDG: International Maritime Code for Dangerous Goods*

*IATA: International Air Transport Association*

*EINECS: European Inventory of Existing Commercial Chemical Substances*

*ELINCS: European List of Notified Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*Flam. Liq. 2: Flammable liquids – Category 2*

*Acute Tox. 4: Acute toxicity – Category 4*

*Eye Irrit. 2: Serious eye damage/eye irritation – Category 2*

*Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A*

-AU-