

Revision: 28.07.2021 Printing date 28.07.2021

Hazardous according to criteria of Australian Safety and Compensation Council.

1 Identification

- · Product identifier
- · Trade name: Semi-Volatile Cal STD, Method 8270C
- · Article number: N9331030
- · Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

- · Application of the substance / the mixture Laboratory chemicals
- · Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

PerkinElmer, Inc. 710 Bridgeport Avenue Shelton, Connecticut 06484 USA CustomerCareUS@perkinelmer.com 203-925-4600

Supplier/Local:

PerkinElmer Australia

Lvl 2, Bldg 5, Brandon Office Park

530-540 Springvale Road

Glen Waverley

Melbourne

VIC 3150

Australia

1-800-033-391

ausales@perkinelmer.com

· Emergency telephone number:

CHEMTREC (within US) 800-424-9300

CHEMTREC (from outside US) +1 703-527-3887 (call collect)

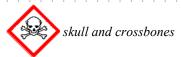
CHEMTREC (within AU) +(61)-290372994

2 Hazard(s) Identification

· Classification of the substance or mixture



Flam. Liq. 2 H225 Highly flammable liquid and vapour.



Acute Tox. 2 H310 Fatal in contact with skin.

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health hazard

Muta. 1B H340 May cause genetic defects.

Carc. 1A H350 May cause cancer.

STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure.



Acute Tox. 4 H302 Harmful if swallowed.

Acute Tox. 4 H332 Harmful if inhaled.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

- · Label elements
- · GHS label elements The product is classified and labelled according to the Globally Harmonised System (GHS).
- · Hazard pictograms GHS02, GHS06, GHS08
- · Signal word Danger

· Hazard-determining components of labelling:

dichloromethane

benzene

bis(2-chloroethyl) ether

acenaphthylene

· Hazard statements

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H310 Fatal in contact with skin.

H332 Harmful if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H340 May cause genetic defects.

H350 May cause cancer.

H372 Causes damage to organs through prolonged or repeated exposure.

· Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER/doctor.

P310 Immediately co P330 Rinse mouth.

P322 Specific measures (see on this label). P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

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· Other hazards

The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.

Results of PBT and vPvB assessment

· PBT:	
87-68-3	hexachlorobuta-1,3-diene
120-12-7	anthracene
120-82-1	1,2,4-trichlorobenzene
· vPvB:	
87-68-3	hexachlorobuta-1,3-diene

3 Composition and Information on Ingredients

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

)angero i	us components:	
75-09-2	dichloromethane Carc. 2, H351 Acute Tox. 4, H302	45.25%
-1 /2 2	<u>V</u>	15.150
71-43-2	benzene Flam. Liq. 2, H225 Acute Tox. 1, H310 Muta. 1B, H340; Carc. 1A, H350; STOT RE 1, H372; Asp. Tox. 1, H304 Skin Irrit. 2, H315; Eye Irrit. 2, H319	45.15%
50-32-8	benzo[a]pyrene Muta. 1B, H340; Carc. 1B, H350; Repr. 1B, H360 Skin Sens. 1, H317	0.2%
53-70-3	dibenz[a,h]anthracene ♦ Carc. 1B, H350	0.2%
56-55-3	benz[a]anthracene © Carc. 1B, H350	0.2%
67-72-1	hexachloroethane Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 STOT RE 2, H373	0.2%
77-47-4	hexachlorocyclopentadiene Acute Tox. 3, H311; Acute Tox. 2, H330 Skin Corr. 1, H314 Acute Tox. 4, H302	0.2%
78-59-1	3,5,5-trimethylcyclohex-2-enone	0.2%
84-74-2	dibutyl phthalate © Repr. 1B, H360	0.2%



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0 = 0 = -		td. of pag
85-01-8	phenanthrene, pure	0.29
	♦ Acute Tox. 4, H302; Skin Irrit. 2, H315	
85-68-7	L	0.29
	♦ Repr. 1B, H360	
86-30-6	nitrosodiphenylamine	0.29
	♠ Acute Tox. 3, H301	
87-68-3	hexachlorobuta-1,3-diene	0.29
	Acute Tox. 3, H301; Acute Tox. 3, H311 Flam. Liq. 4, H227 PBT; vPvB	
88-74-4	o-nitroaniline	0.29
	Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 STOT RE 2, H373	
91-20-3	naphthalene	0.29
	© Carc. 2, H351 ↑ Acute Tox. 4, H302 Flam. Liq. 4, H227	
98-95-3	nitrobenzene	0.29
	Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 Carc. 2, H351; Repr. 1B, H360; STOT RE 1, H372 Flam. Liq. 4, H227	
99-09-2	m-nitroaniline	0.29
	Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 STOT RE 2, H373	
100-01-6	p-nitroaniline	0.29
	Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 STOT RE 2, H373	
106-46-7	1,4-dichlorobenzene	0.29
	© Carc. 2, H351 O Acute Tox. 4, H302; Eye Irrit. 2, H319	
106-47-8	4-chloroaniline	0.29
	Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 Carc. 1B, H350 Skin Sens. 1, H317	
108-60-1	bis(2-chloro-1-methylethyl) ether	0.29
	<i>⊗ Acute Tox.</i> 3, <i>H</i> 301	1
111-44-4	bis(2-chloroethyl) ether	0.29
111 ,, ,	Flam. Liq. 3, H226 Acute Tox. 2, H300; Acute Tox. 1, H310; Acute Tox. 2, H330 Carc. 2, H351	
111-91-1	bis(2-chloroethoxy)methane	0.29
/ . 1	Acute Tox. 2, H300	1
117-81-7	bis(2-ethylhexyl) phthalate	0.29
11/01/	♦ Repr. 1B, H360	- 0.27



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		l. of pag
117-84-0	dioctyl phthalate	0.29
	♦ Repr. 2, H361	
118-74-1	hexachlorobenzene	0.29
	� Carc. 1B, H350; STOT RE 1, H372	
120-12-7	anthracene	0.29
	PBT	
120-82-1	1,2,4-trichlorobenzene	0.29
	PBT	
121-14-2	2,4-dinitrotoluene	0.29
	Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331	
	🗞 Muta. 2, H341; Carc. 1B, H350; Repr. 2, H361; STOT RE 2, H373	
129-00-0		0.29
	♦ Acute Tox. 3, H311; Acute Tox. 3, H331	
131-11-3	dimethyl phthalate	0.29
	♦ Acute Tox. 1, H310	
191-24-2	Benzo(g,h,i)perylene	0.29
205-99-2	benz[e]acephenanthrylene	0.29
	♦ Carc. 1B, H350	
206-44-0	fluoranthene	0.29
	♦ Acute Tox. 4, H332	
207-08-9	benzo[k]fluoranthene	0.29
	& Carc. 1B, H350	
208-96-8	acenaphthylene	0.29
	♠ Acute Tox. 1, H310; Acute Tox. 1, H330	
606-20-2	2,6-dinitrotoluene	0.29
	♠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331	
	& Muta. 2, H341; Carc. 1B, H350; Repr. 2, H361; STOT RE 2, H373	
621-64-7	nitrosodipropylamine	0.29
	🔷 Carc. 1B, H350	
	♦ Acute Tox. 4, H302	
· Additiona	l Components	
83-32-9	acenaphthene	0.4
	fluorene	0.2
	5 2-methylnaphthalene	0.2
91-3/-(<i> </i>	- 0.2
01.50	7 2-Chloronaphthalene	0.2
93-30-1	1,2-dichlorobenzene	0.2
	♠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 Flam. Liq. 4, H227	
100-51-0	Benzyl alcohol	0.2
	♠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332	
101-55-3	3 4-Bromodiphenyl ether	0.2
132-64-9	dibenzofuran	0.2
	(Contd	



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100.00		(Contd. of page 5)
193-39-3	5 indeno[1,2,3-cd]pyrene	0.2%
541-73-	1 1,3-dichlorobenzene	0.2%
	♦ Acute Tox. 4, H302	
	Flam. Liq. 4, H227	
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.2%
· SVHC		
50-32-8	benzo[a]pyrene	
56-55-3	benz[a]anthracene	
84-74-2	dibutyl phthalate	
85-01-8	phenanthrene, pure	
85-68-7	BBP	
98-95-3	nitrobenzene	
117-81-7	bis(2-ethylhexyl) phthalate	
120-12-7	anthracene	
	2,4-dinitrotoluene	
129-00-0		
191-24-2	Benzo(g,h,i)perylene	
	fluoranthene	
207-08-9	benzo[k]fluoranthene	
· Additiona	l information: For the wording of the listed hazard 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:

If skin irritation continues, consult a doctor.

Immediately wash with water and soap and rinse thoroughly.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- · After swallowing: Call for a doctor immediately.
- · 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.

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5 Fire Fighting Measures

- · Extinguishing media
- · Suitable extinguishing agents:

CO2, 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

During heating or in case of fire poisonous gases are produced.

- · Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

6 Accidental Release Measures

· Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

· Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Prevent seepage into sewage system, workpits and cellars.

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.

Open and handle receptacle with care.

Prevent formation of aerosols.

· Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

- · Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles: 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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· Specific end use(s) No further relevant information available.

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Additi	tional information about design of technical facilities: No further data; see item 7.	
Contr	rol parameters	
Ingre	dients with limit values that require monitoring at the workplace:	
75-09	9-2 dichloromethane	
	Long-term value: 174 mg/m³, 50 ppm Sk	
71-43	3-2 benzene	
WES	Long-term value: 3.2 mg/m³, 1 ppm	
67-72	2-1 hexachloroethane	
WES	Long-term value: 9.7 mg/m³, 1 ppm	
77-47	7-4 hexachlorocyclopentadiene	
WES	Long-term value: 0.11 mg/m³, 0.01 ppm	
78-59	0-1 3,5,5-trimethylcyclohex-2-enone	
WES	Peak limitation: 28 mg/m³, 5 ppm	
84-74	1-2 dibutyl phthalate	
	Long-term value: 5 mg/m³	
87-68	3-3 hexachlorobuta-1,3-diene	
	Long-term value: 0.21 mg/m³, 0.02 ppm Sk	
91-20	0-3 naphthalene	
	Short-term value: 79 mg/m³, 15 ppm Long-term value: 52 mg/m³, 10 ppm	
98-95	5-3 nitrobenzene	
	Long-term value: 5 mg/m³, 1 ppm Sk	
100-0	01-6 p-nitroaniline	
	Long-term value: 3 mg/m³ Sk	
106-4	16-7 1,4-dichlorobenzene	
	Short-term value: 300 mg/m³, 50 ppm Long-term value: 150 mg/m³, 25 ppm	
111-4	14-4 bis(2-chloroethyl) ether	
	Short-term value: 58 mg/m³, 10 ppm Long-term value: 29 mg/m³, 5 ppm	

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$117-81-7\ bis(2-ethylhexyl)\ phthalate$

WES Short-term value: 10 mg/m³ Long-term value: 5 mg/m³

120-82-1 1,2,4-trichlorobenzene

WES Peak limitation: 37 mg/m³, 5 ppm

131-11-3 dimethyl phthalate

WES Long-term value: 5 mg/m³

- · Additional information: The lists valid during the making were used as basis.
- · 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.

Store protective clothing separately.

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.

· 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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:



Tightly sealed goggles

9 Physical and Chemical Properties

- Information on basic physical and chemical properties
- · General Information
- · Appearance:

Form: Liquid

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Colour:	Transparent
· Odour:	Characteristic
Odour threshold:	Not determined.
pH-value:	Not determined.
· Change in condition	
Melting point/freezing point:	-96.7 °C
Initial boiling point and boiling range	<i>2:</i> 40 °C
Flash point:	-11 °C
Flammability (solid, gas):	Not applicable.
Ignition temperature:	555 °C
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation of explosive air/vapo
	mixtures are possible.
Explosion limits:	
Lower:	1.2 Vol %
Upper:	22 Vol %
Vapour pressure at 20 °C:	453 hPa
Density at 20 °C:	1.271 g/cm³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
water at 20 °C:	1.28 mg/L
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	91.4 %
Solids content:	4.8 %
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.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.

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- · Incompatible materials: No further relevant information available. · Hazardous decomposition products: No dangerous decomposition products known.

Acute tox	icity	ological effects	
		vant for classification:	
	ichloromet		
Oral	LD50	1600 mg/kg (rat)	
		88 mg/l (rat)	
71-43-2 b			
Oral	LD50	4894 mg/kg (rat)	
Dermal	LD50	48 mg/kg (mouse)	
		9980 mg/l (mouse)	
		yclopentadiene	
Oral	LD50	1300 mg/kg (rat)	
Dermal	LD50	430 mg/kg (rabbit)	
85-68-7 B			
Oral	LD50	2330 mg/kg (rat)	
91-20-3 n	aphthalene		
Oral	LD50	490 mg/kg (rat)	
Dermal	LD50	5000 mg/kg (rat)	
95-50-1 1	,2-dichloro	benzene	
Oral	LD50	500 mg/kg (rat)	
106-46-7	1,4-dichlor	obenzene	
Oral	LD50	500 mg/kg (rat)	
106-47-8	4-chloroan	lline	
Oral	LD50	310 mg/kg (rat)	
Dermal	LD50	3200 mg/kg (rat)	
111-44-4	bis(2-chlor	pethyl) ether	
Oral	LD50	75 mg/kg (rat)	
Dermal	LD50	90 mg/kg (rabbit)	
Inhalative	LC50/4 h	0.33 mg/l (rat)	
120-82-1	1,2,4-trichl	orobenzene	
Oral	LD50	756 mg/kg (rat)	
121-14-2	2,4-dinitro	oluene	
Oral	LD50	268 mg/kg (rat)	
606-20-2	2,6-dinitro	oluene	



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- · Primary irritant effect:
- · Skin corrosion/irritation Irritant to skin and mucous membranes.
- · 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

The product can cause inheritable damage.

· CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

Muta. 1B, Carc. 1A

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.
- · Additional ecological information:
- · General notes:

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

· Results of PBT and vPvB assessment

· PBT:	
87-68-3	hexachlorobuta-1,3-diene
120-12-7	anthracene
120-82-1	1,2,4-trichlorobenzene
· vPvB:	
87-68-3	hexachlorobuta-1,3-diene

· 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.

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

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Transport information	
UN-Number	
ADG, IMDG, IATA	UN1992
UN proper shipping name	
ADG	1992 FLAMMABLE LIQUID, TOXIC, N.O.S. (BENZEN
	DICHLOROMETHANE), ENVIRONMENTAL
	HAZARDOUS
IMDG	FLAMMABLE LIQUID, TOXIC, N.O.S. (BENZEN
IATA	DICHLOROMETHANE), MARINE POLLUTANT FLAMMABLE LIQUID, TOXIC, N.O.S. (BENZEN
IAIA	DICHLOROMETHANE)
Transport hazard class(es)	Dicilionomatrimina
ADG	
Class	3 (FT1) Flammable liquids.
Label	3+6.1
IMDG	
Class	3 Flammable liquids.
Label	3/6.1
IATA	
Class	3 Flammable liquids.
Label	3 (6.1)
Packing group	
ADG, IMDG, IATA	II
Environmental hazards:	Product contains environmentally hazardous substance 1,2,4-trichlorobenzene, benz[a]anthracene
Marine pollutant:	Yes
	Symbol (fish and tree)
Special marking (ADG):	Symbol (fish and tree)
Special precautions for user	Warning: Flammable liquids.
Hazard identification number (Kemler code):	336
EMS Number:	F- E , S - D



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Segregation groups	Liquid halogenated hydrocarbons
Stowage Category	B
Stowage Code	SW2 Clear of living quarters.
Transport in bulk according to Annex II of	f Marpol
and the IBC Code	Not applicable.
Transport/Additional information:	
ADG	
Limited quantities (LQ)	IL
Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
Transport category	2
Tunnel restriction code	D/E
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 1992 FLAMMABLE LIQUID, TOXIC, N.O.S.
-	(BENZENE, DICHLOROMETHANE), 3 (6.1), I
	ENVIRONMENTALLY HAZARDOUS

Sujety, n	nealth and environmental regulations/legislation specific for the substance or mixture	e
75-09-2	dichloromethane	45.25%
	© Carc. 2, H351	
71-43-2	benzene	45.15%
	Flam. Liq. 2, H225	
	Acute Tox. 1, H310 Muta 1B, H340, Cano 14, H350, STOT BE 1, H372, Acm. Tou. 1, H304	
	Muta. 1B, H340; Carc. 1A, H350; STOT RE 1, H372; Asp. Tox. 1, H304 Skin Irrit. 2, H315; Eye Irrit. 2, H319	
83-32-9	acenaphthene	0.4%
Australia	a: Priority Existing Chemicals	·
71-43-2	? benzene	
84-74-2	dibutyl phthalate	
85-68-7	7 BBP	
106-46-7	7 1,4-dichlorobenzene	
117-81-7	bis(2-ethylhexyl) phthalate	
117-84-0	dioctyl phthalate	
131_11_3	dimethyl phthalate	



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- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category

H2 ACUTE TOXIC

E1 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

- · Qualifying quantity (tonnes) for the application of lower-tier requirements 50 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t
- · National regulations:
- · Additional classification according to Decree on Hazardous Materials, Annex II: Carcinogenic hazardous material group III (dangerous).
- · Information about limitation of use:

Workers are not allowed to be exposed to this hazardous material. Exceptions can be made by the authorities in certain cases.

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

- · Waterhazard class: Water hazard class 3 (Self-assessment): extremely hazardous for water.
- · Other regulations, limitations and prohibitive regulations

· Substances of very high concern (SVHC) according to REACH, Article 57		
50-32-8	benzo[a]pyrene	
56-55-3	benz[a]anthracene	
	dibutyl phthalate	
85-01-8	phenanthrene, pure	
85-68-7	BBP	
98-95-3	nitrobenzene	
117-81-7	bis(2-ethylhexyl) phthalate	
120-12-7	anthracene	
121-14-2	2,4-dinitrotoluene	
129-00-0	pyrene	
191-24-2	Benzo(g,h,i)perylene	
206-44-0	fluoranthene	
207-08-9	benzo[k]fluoranthene	
· Chemical	· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.	

16 Other information

Disclaimer

The information provided in this Material 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 Life and Analytical Sciences shall not be held liable for any damage resulting from handling or from contact with the product.

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· Relevant phrases

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H227 Combustible liquid.

H300 Fatal if swallowed.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H310 Fatal in contact with skin.

H311 Toxic in contact with skin.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H331 Toxic if inhaled.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H340 May cause genetic defects.

H341 Suspected of causing genetic defects.

H350 May cause cancer.

H351 Suspected of causing cancer.

H360 May damage fertility or the unborn child.

H361 Suspected of damaging fertility or the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

H373 May cause damage to organs through prolonged or repeated exposure.

· Department issuing SDS: Environmental, Health and Safety

· Contact:

Within the USA: 1-(800)-762-4000 Outside the USA: 1-(203)-712-8488

· Abbreviations and acronyms

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport 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

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Flam. Liq. 4: Flammable liquids - Category 4

Acute Tox. 3: Acute toxicity – Category 3 Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 1: Acute toxicity – Category 1

Acute Tox. 2: Acute toxicity – Category 2

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Skin Corr. 1: Skin corrosion/irritation – Category 1

Skin Irrit. 2: Skin corrosion/irritation – Category 2

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

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

Skin Sens. 1: Skin sensitisation – Category 1

Muta. 1B: Germ cell mutagenicity – Category 1B

Muta. 2: Germ cell mutagenicity – Category 2

Carc. 1A: Carcinogenicity - Category 1A

Carc. 1B: Carcinogenicity - Category 1B

Carc. 2: Carcinogenicity – Category 2 Repr. 1B: Reproductive toxicity – Category 1B

Repr. 2: Reproductive toxicity – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 1: Specific target organ toxicity (repeated exposure) - Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 1 Asp. Tox. 1: Aspiration hazard – Category 1

^{* *} Data compared to the previous version altered.