

Printing date 28.07.2021

Revision: 28.07.2021

Hazardous according to criteria of Australian Safety and Compensation Council.

l Identification	
· Product identifier	
• Article number: N9331 • Relevant identified uses No further relevant info	s of the substance or mixture and uses advised against
• Details of the supplier o • Manufacturer/Supplier	
PerkinElmer, Inc. 710 Bridgeport Avenue Shelton, Connecticut 06 CustomerCareUS@peri 203-925-4600	kinelmer.com
Supplier/Local:	
PerkinElmer Australia Lvl 2, Bldg 5, Brandon 6 530-540 Springvale Rod Glen Waverley Melbourne VIC 3150 Australia 1-800-033-391 ausales@perkinelmer.cc Emergency telephone m CHEMTREC (within US CHEMTREC (from outs CHEMTREC (within AU	ad om umber: S) 800-424-9300 side US) +1 703-527-3887 (call collect)
2 Hazard(s) Identifica	ation
· Classification of the su	bstance or mixture
flame	
Flam. Liq. 2 H225 Hig	ghly flammable liquid and vapour.
health hazard	1



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\diamond	
Acute Tox. 4 H.	302 Harmful if swallowed.
	ents The product is classified and labelled according to the Globally Harmonised System (GHS) uns GHS02, GHS07, GHS08 nger
dichloromethand Hazard stateme	nts
H302 Harmful ij	
	of causing cancer.
Precautionary s P210	
P210 P241	Keep away from heat/sparks/open flames/hot surfaces. No smoking. Use explosion-proof electrical/ventilating/lighting equipment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
	353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse sk with water/shower.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/national/internation regulations.
Other hazards	
The product do formaldehydes.	es not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds
Results of PRT	and vPvB assessment
PBT: Not applie	

3 Composition and Information on Ingredients

• Chemical characterisation: Mixtures

• Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:	
	99.6%
Carc. 2, H351 Acute Tox. 4, H302	
321-38-0 1-fluoronaphthalene	0.2%
Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 Flam. Liq. 4, H227	
· Additional Components	
321-60-8 2,-Fluorobiphenyl	0.2%
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• Additional 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; consult doctor in case of complaints.
- · After skin contact: Immediately rinse with water.
- After eye contact: Rinse opened eye for several minutes under running water.
- · 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.

5 Fire Fighting Measures

- · Extinguishing media
- Suitable extinguishing agents:
- CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- · Protective equipment: No special measures required.

6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures 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. Dilute with plenty of 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.

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	7 Handling and Storage
	· Handling:
	• Precautions for safe handling Open and handle receptacle with care.
	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:
	Store receptacle in a well ventilated area.
	Keep container tightly sealed.
	Store in cool, dry conditions in well sealed receptacles.
	• Specific end use(s) No further relevant information available.
	Specific ena 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.
	Additional information about design of recinical factulies. 140 further data, see them 7.
-	· Control parameters
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	· Control parameters
	 Control parameters Ingredients with limit values that require monitoring at the workplace: 75-09-2 dichloromethane
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	Control parameters Ingredients with limit values that require monitoring at the workplace: T5-09-2 dichloromethane WES Long-term value: 174 mg/m ³ , 50 ppm Sk Additional information: The lists valid during the making were used as basis. Exposure controls Personal protective equipment: General 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. Respiratory protection: Not required. 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
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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

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9 Physical and Chemical Properties

· Information on basic physical and cher	nical properties
· General Information	
· Appearance:	
Form:	Fluid
Colour:	Transparent
· Odour:	Characteristic
• Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/freezing point:	-95.1 °C
Initial boiling point and boiling range	2: 40 °C
· Flash point:	-139 °C
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	605 °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:	13 Vol %
Upper:	22 Vol %
• Vapour pressure at 20 °C:	453 hPa
· Density at 20 °C:	1.33 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
•	
· Solubility in / Miscibility with	20 ~//
water at 20 °C:	20 g/l Eully missible
	Fully miscible.
· Partition coefficient: n-octanol/water:	Not determined.
	(Contd. on page 6



Printing date 28.07.2021 Revision: 28.07.2021 Trade name: Standard - Surrogate Method 8100 (Contd. of page 5) · Viscosity: Dvnamic: Not determined. Kinematic: Not determined. · Solvent content: 99.6% Organic solvents: · 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. · 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: 75-09-2 dichloromethane LD50 1600 mg/kg (rat) Oral Inhalative LC50/4 h 88 mg/l (rat) · Primary irritant effect: Skin corrosion/irritation No irritant effect. Serious eye damage/irritation No 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 CMR effects (carcinogenity, mutagenicity and toxicity for reproduction) Carc. 2 **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. (Contd. on page 7) AU



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according to WHS Regulations

Revision: 28.07.2021 Printing date 28.07.2021 Trade name: Standard - Surrogate Method 8100 (Contd. of page 6) • Additional ecological information: · General notes: Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. · 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. · Uncleaned packaging: · Recommendation: Disposal must be made according to official regulations. • Recommended cleansing agents: Water, if necessary together with cleansing agents. 14 Transport information · UN-Number UN1993 · ADG, IMDG, IATA · UN proper shipping name ·ADG 1993 FLAMMABLE LIQUID, N.O.S., special provision 640D (1-fluoronaphthalene) · IMDG, IATA FLAMMABLE LIQUID, N.O.S. (1-fluoronaphthalene) • Transport hazard class(es) ·ADG · Class 3 (F1) Flammable liquids. · Label 3 · IMDG, IATA · Class 3 Flammable liquids. · Label 3 · Packing group · ADG, IMDG, IATA Π (Contd. on page 8)



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Environmental hazards:	
Marine pollutant:	No
Special precautions for user	Warning: Flammable liquids.
Hazard identification number (Kemler code):	33
EMS Number:	<i>F-E,<u>S-E</u></i>
Stowage Category	B
Transport in bulk according to Annex II of Mar	pol
and the IBC Code	Not applicable.
Transport/Additional information:	
ADG	
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
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 1993 FLAMMABLE LIQUID, N.O.S., SPECIA
č	PROVISION 640D (1-FLUORONAPHTHALENE), 3, II

15 Regulatory information

	alth and environmental regulations/legislation specific for the substance or mixture	
75-09-2	dichloromethane	99.6%
	Carc. 2, H351 Acute Tox. 4, H302	
321-38-0	1-fluoronaphthalene	0.2%
	Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 Flam. Liq. 4, H227	
321-60-8	2,-Fluorobiphenyl	0.2%
· Australia:	Priority Existing Chemicals	
None of th	e ingredients is listed.	

 \cdot Named dangerous substances - ANNEX I None of the ingredients is listed.

· Seveso category P5c FLAMMABLE LIQUIDS

 \cdot Qualifying quantity (tonnes) for the application of lower-tier requirements 5000 t

 \cdot Qualifying quantity (tonnes) for the application of upper-tier requirements 50000 t

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· National regulations:

• 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.

• Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

· 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.

· Relevant phrases

H227 Combustible liquid.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H331 Toxic if inhaled.
H351 Suspected of causing cancer.

· 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 vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids – Category 2 Flam. Liq. 4: Flammable liquids - Category 4 Acute Tox. 3: Acute toxicity - Category 3 Acute Tox. 4: Acute toxicity - Category 4 Carc. 2: Carcinogenicity – Category 2 * Data compared to the previous version altered.

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