Safety Data Sheet

acc. to Safe Work Australia - Code of Practice

POR-15 2K URETHANE SAFETY YELLOW

Version number: GHS 2.0
Replaces version of: 2022-03-28 (GHS 1)

Revision: 2023-09-05

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name **POR-15 2K URETHANE SAFETY YELLOW**

Product code(s) 43281, 43284, 43285

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses Paint

1.3 Details of the supplier of the safety data sheet

e-mail (competent person) support@porproducts.com

1.3 Details of the supplier of the safety data sheet

Manufacturer:
P.O.R. Products:
38 Portman Road:
New Rochelle:
NY 10801:
United States:
support@porproducts.com:
www.porproducts.com:

Supplier of Product: Sydney Automotive Paints & Equipment Pty Ltd
A3/ 366 Edgar Street
Condell Park, NSW 2200 Australia
+61 2 9772 9000:

1.4 Emergency telephone number

Australia (Mon - Fri, 08:00-16:00 AEST)

General Medical Information: +61 2 9772 9000
Transport Information: +61 2 9772 9000

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification acc. to GHS

Section	Hazard class	Category	Hazard class and category	Hazard statement
2.6	flammable liquid	1	Flam. Liq. 1	H224
3.3	serious eye damage/eye irritation	2	Eye Irrit. 2	H319
3.4S	skin sensitisation	1	Skin Sens. 1	H317
3.5	germ cell mutagenicity	1B	Muta. 1B	H340
3.6	carcinogenicity	1A	Carc. 1A	H350

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources.

2.2 Label elements

Labelling

- Signal word danger

- Pictograms

GHS02, GHS07, GHS08 

- Hazard statements

H224	Extremely flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H340	May cause genetic defects.
H350	May cause cancer.

- Precautionary statements

P201	Obtain special instructions before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233	Keep container tightly closed.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher for extinction.
P403+P235	Store in a well-ventilated place. Keep cool.

- Supplemental hazard information

AUH066	Repeated exposure may cause skin dryness or cracking.

- Hazardous ingredients for labelling — Solvent naphtha (petroleum), light arom., 4-chloro-α,α,α-trifluorotoluene, VM&P Naptha

2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance in a concentration of ≥ 0,1%.

Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of ≥ 0,1%.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS
Acrylic Resin	CAS No 9003-55-8	25 – < 50	
n-butyl acetate	CAS No 123-86-4	5 – < 10	Flam. Liq. 3 / H226 STOT SE 3 / H336
Solvent naphtha (petroleum), light arom.	CAS No 64742-95-6	5 – < 10	Flam. Liq. 1 / H224 Muta. 1B / H340 Carc. 1A / H350 Asp. Tox. 1 / H304

Name of substance	Identifier	Wt%	Classification acc. to GHS
4-chloro-α,α,α-trifluorotoluene	CAS No 98-56-6	5 – < 10	Flam. Liq. 3 / H226 Skin Sens. 1B / H317
2-methoxy-1-methylethyl acetate	CAS No 108-65-6	1 – < 5	Flam. Liq. 3 / H226
HANSA YELLOW LR	CAS No 2512-29-0	1 – < 5	Flam. Liq. 3 / H226
2-methylpropan-1-ol	CAS No 78-83-1	1 – < 5	Flam. Liq. 3 / H226 Skin Irrit. 2 / H315 Eye Dam. 1 / H318 STOT SE 3 / H335 STOT SE 3 / H336
VM&P Naptha	CAS No 64742-89-8	0.1 – < 1	Flam. Liq. 1 / H224 Muta. 1B / H340 Carc. 1A / H350 Asp. Tox. 1 / H304
xylene	CAS No 1330-20-7	0.1 – < 1	Flam. Liq. 3 / H226 Acute Tox. 4 / H312 Acute Tox. 4 / H332 Skin Irrit. 2 / H315 Asp. Tox. 1 / H304
Titanium dioxide (excluding nano-particle)	CAS No 13463-67-7	0.1 – < 1	Carc. 2 / H351
ethyl benzene	CAS No 100-41-4	0.1 – < 1	Flam. Liq. 3 / H226 Acute Tox. 4 / H332 STOT RE 2 / H373 Asp. Tox. 1 / H304
cumene	CAS No 98-82-8	0.1 – < 1	Flam. Liq. 3 / H226 STOT SE 3 / H335 Asp. Tox. 1 / H304
acrylic resin	CAS No 32472-85-8	0.1 – < 1	
2-butoxyethanol	CAS No 111-76-2	0 – < 0.1	Flam. Liq. 4 / H227 Acute Tox. 4 / H302 Acute Tox. 4 / H332 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319
toluene	CAS No 108-88-3	0 – < 0.1	Flam. Liq. 2 / H225 Skin Irrit. 2 / H315 Repr. 2 / H361d STOT SE 3 / H336 STOT RE 2 / H373 Asp. Tox. 1 / H304
dibutyltin dilaurate	CAS No 77-58-7	0 – < 0.1	Muta. 2 / H341 Repr. 1B / H360FD STOT RE 1 / H372

For full text of abbreviations: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO2)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture. Solvent vapours are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO2)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Vapours may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
AU	ethylbenzene	100-41-4	WES	100	434	125	543				WES
AU	1-methoxy-2-propanol acetate	108-65-6	WES	50	274	100	548			H	WES
AU	toluene	108-88-3	WES	50	191	150	574			H	WES
AU	2-butoxyethanol (butyl cellosolve) (butyl glycol) (ethylene glycol monobutyl ether)	111-76-2	WES	20	96.9	50	242			H	WES
AU	n-butyl acetate	123-86-4	WES	150	713	200	950				WES
AU	xylene, mixture of isomers	1330-20-7	WES	80	350	150	655				WES
AU	titanium dioxide	13463-67-7	WES		10					i, noAsb_less1Sil	WES
AU	isobutyl alcohol (2-methylpropan-1-ol) (isobutanol)	78-83-1	WES	50	152						WES
AU	cumene (isopropylbenzene)	98-82-8	WES	25	125	75	375			H	WES

Notation
Ceiling-C ceiling value is a limit value above which exposure should not occur
H absorbed through the skin
i inhalable fraction

Notation

noAsb_less1S contains no asbestos and less than 1% free crystalline silica
il
STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

Relevant DNELs of components of the mixture

Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
4-chloro-α,α,α-trifluorotoluene	98-56-6	DNEL	1.025 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
4-chloro-α,α,α-trifluorotoluene	98-56-6	DNEL	0.4 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
4-chloro-α,α,α-trifluorotoluene	98-56-6	DNEL	17.6 µg/cm²	human, dermal	worker (industry)	acute - local effects
2-methoxy-1-methylethyl acetate	108-65-6	DNEL	275 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
2-methoxy-1-methylethyl acetate	108-65-6	DNEL	550 mg/m³	human, inhalatory	worker (industry)	acute - local effects
2-methoxy-1-methylethyl acetate	108-65-6	DNEL	796 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
HANSA YELLOW LR	2512-29-0	DNEL	1.025 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
HANSA YELLOW LR	2512-29-0	DNEL	0.4 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
HANSA YELLOW LR	2512-29-0	DNEL	17.6 µg/cm²	human, dermal	worker (industry)	acute - local effects
2-methylpropan-1-ol	78-83-1	DNEL	310 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
xylene	1330-20-7	DNEL	221 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
xylene	1330-20-7	DNEL	442 mg/m³	human, inhalatory	worker (industry)	acute - systemic effects
xylene	1330-20-7	DNEL	221 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
xylene	1330-20-7	DNEL	442 mg/m³	human, inhalatory	worker (industry)	acute - local effects
xylene	1330-20-7	DNEL	212 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
ethyl benzene	100-41-4	DNEL	77 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
ethyl benzene	100-41-4	DNEL	293 mg/m³	human, inhalatory	worker (industry)	acute - local effects
ethyl benzene	100-41-4	DNEL	180 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
cumene	98-82-8	DNEL	100 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects

Relevant DNELs of components of the mixture

Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
cumene	98-82-8	DNEL	250 mg/m³	human, inhalatory	worker (industry)	acute - local effects
cumene	98-82-8	DNEL	15.4 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
2-butoxyethanol	111-76-2	DNEL	98 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
2-butoxyethanol	111-76-2	DNEL	1,091 mg/m³	human, inhalatory	worker (industry)	acute - systemic effects
2-butoxyethanol	111-76-2	DNEL	246 mg/m³	human, inhalatory	worker (industry)	acute - local effects
2-butoxyethanol	111-76-2	DNEL	125 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
2-butoxyethanol	111-76-2	DNEL	89 mg/kg bw/day	human, dermal	worker (industry)	acute - systemic effects
toluene	108-88-3	DNEL	192 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
toluene	108-88-3	DNEL	384 mg/m³	human, inhalatory	worker (industry)	acute - systemic effects
toluene	108-88-3	DNEL	192 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
toluene	108-88-3	DNEL	384 mg/m³	human, inhalatory	worker (industry)	acute - local effects
toluene	108-88-3	DNEL	384 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
dibutyltin dilaurate	77-58-7	DNEL	0.02 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
dibutyltin dilaurate	77-58-7	DNEL	0.059 mg/m³	human, inhalatory	worker (industry)	acute - systemic effects
dibutyltin dilaurate	77-58-7	DNEL	0.43 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
dibutyltin dilaurate	77-58-7	DNEL	2.08 mg/kg bw/day	human, dermal	worker (industry)	acute - systemic effects

Relevant PNECs of components of the mixture

Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
4-chloro-α,α,α-trifluorotoluene	98-56-6	PNEC	2 µg/l	aquatic organisms	freshwater	short-term (single instance)
4-chloro-α,α,α-trifluorotoluene	98-56-6	PNEC	0.2 µg/l	aquatic organisms	marine water	short-term (single instance)
4-chloro-α,α,α-trifluorotoluene	98-56-6	PNEC	0.032 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)

Relevant PNECs of components of the mixture

Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
4-chloro-α,α,α-trifluorotoluene	98-56-6	PNEC	0.022 $^{mg}/_{kg}$	aquatic organisms	freshwater sediment	short-term (single instance)
4-chloro-α,α,α-trifluorotoluene	98-56-6	PNEC	0.002 $^{mg}/_{kg}$	aquatic organisms	marine sediment	short-term (single instance)
4-chloro-α,α,α-trifluorotoluene	98-56-6	PNEC	0.026 $^{mg}/_{kg}$	terrestrial organisms	soil	short-term (single instance)
2-methoxy-1-methylethyl acetate	108-65-6	PNEC	0.635 $^{mg}/_{l}$	aquatic organisms	freshwater	short-term (single instance)
2-methoxy-1-methylethyl acetate	108-65-6	PNEC	0.064 $^{mg}/_{l}$	aquatic organisms	marine water	short-term (single instance)
2-methoxy-1-methylethyl acetate	108-65-6	PNEC	100 $^{mg}/_{l}$	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
2-methoxy-1-methylethyl acetate	108-65-6	PNEC	3.29 $^{mg}/_{kg}$	aquatic organisms	freshwater sediment	short-term (single instance)
2-methoxy-1-methylethyl acetate	108-65-6	PNEC	0.329 $^{mg}/_{kg}$	aquatic organisms	marine sediment	short-term (single instance)
2-methoxy-1-methylethyl acetate	108-65-6	PNEC	0.29 $^{mg}/_{kg}$	terrestrial organisms	soil	short-term (single instance)
HANSA YELLOW LR	2512-29-0	PNEC	2 $^{µg}/_{l}$	aquatic organisms	freshwater	short-term (single instance)
HANSA YELLOW LR	2512-29-0	PNEC	0.2 $^{µg}/_{l}$	aquatic organisms	marine water	short-term (single instance)
HANSA YELLOW LR	2512-29-0	PNEC	0.032 $^{mg}/_{l}$	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
HANSA YELLOW LR	2512-29-0	PNEC	0.022 $^{mg}/_{kg}$	aquatic organisms	freshwater sediment	short-term (single instance)
HANSA YELLOW LR	2512-29-0	PNEC	0.002 $^{mg}/_{kg}$	aquatic organisms	marine sediment	short-term (single instance)
HANSA YELLOW LR	2512-29-0	PNEC	0.026 $^{mg}/_{kg}$	terrestrial organisms	soil	short-term (single instance)
2-methylpropan-1-ol	78-83-1	PNEC	0.4 $^{mg}/_{l}$	aquatic organisms	freshwater	short-term (single instance)
2-methylpropan-1-ol	78-83-1	PNEC	0.04 $^{mg}/_{l}$	aquatic organisms	marine water	short-term (single instance)
2-methylpropan-1-ol	78-83-1	PNEC	10 $^{mg}/_{l}$	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
2-methylpropan-1-ol	78-83-1	PNEC	1.56 $^{mg}/_{kg}$	aquatic organisms	freshwater sediment	short-term (single instance)
2-methylpropan-1-ol	78-83-1	PNEC	0.156 $^{mg}/_{kg}$	aquatic organisms	marine sediment	short-term (single instance)

Relevant PNECs of components of the mixture

Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
2-methylpropan-1-ol	78-83-1	PNEC	0.076 $^{mg}/_{kg}$	terrestrial organisms	soil	short-term (single instance)
xylene	1330-20-7	PNEC	0.327 $^{mg}/_{l}$	aquatic organisms	freshwater	short-term (single instance)
xylene	1330-20-7	PNEC	0.327 $^{mg}/_{l}$	aquatic organisms	marine water	short-term (single instance)
xylene	1330-20-7	PNEC	6.58 $^{mg}/_{l}$	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
xylene	1330-20-7	PNEC	12.46 $^{mg}/_{kg}$	aquatic organisms	freshwater sediment	short-term (single instance)
xylene	1330-20-7	PNEC	12.46 $^{mg}/_{kg}$	aquatic organisms	marine sediment	short-term (single instance)
xylene	1330-20-7	PNEC	2.31 $^{mg}/_{kg}$	terrestrial organisms	soil	short-term (single instance)
ethyl benzene	100-41-4	PNEC	0.1 $^{mg}/_{l}$	aquatic organisms	freshwater	short-term (single instance)
ethyl benzene	100-41-4	PNEC	0.01 $^{mg}/_{l}$	aquatic organisms	marine water	short-term (single instance)
ethyl benzene	100-41-4	PNEC	9.6 $^{mg}/_{l}$	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
ethyl benzene	100-41-4	PNEC	13.7 $^{mg}/_{kg}$	aquatic organisms	freshwater sediment	short-term (single instance)
ethyl benzene	100-41-4	PNEC	1.37 $^{mg}/_{kg}$	aquatic organisms	marine sediment	short-term (single instance)
ethyl benzene	100-41-4	PNEC	2.68 $^{mg}/_{kg}$	terrestrial organisms	soil	short-term (single instance)
cumene	98-82-8	PNEC	0.035 $^{mg}/_{l}$	aquatic organisms	freshwater	short-term (single instance)
cumene	98-82-8	PNEC	0.004 $^{mg}/_{l}$	aquatic organisms	marine water	short-term (single instance)
cumene	98-82-8	PNEC	200 $^{mg}/_{l}$	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
cumene	98-82-8	PNEC	3.22 $^{mg}/_{kg}$	aquatic organisms	freshwater sediment	short-term (single instance)
cumene	98-82-8	PNEC	0.322 $^{mg}/_{kg}$	aquatic organisms	marine sediment	short-term (single instance)
cumene	98-82-8	PNEC	0.624 $^{mg}/_{kg}$	terrestrial organisms	soil	short-term (single instance)
acrylic resin	32472-85-8	PNEC	0.16 $^{mg}/_{l}$	aquatic organisms	freshwater	short-term (single instance)

Relevant PNECs of components of the mixture

Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
acrylic resin	32472-85-8	PNEC	0.016 mg/l	aquatic organisms	marine water	short-term (single instance)
acrylic resin	32472-85-8	PNEC	0.58 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
acrylic resin	32472-85-8	PNEC	0.058 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
acrylic resin	32472-85-8	PNEC	0.022 mg/kg	terrestrial organisms	soil	short-term (single instance)
2-butoxyethanol	111-76-2	PNEC	8.8 mg/l	aquatic organisms	freshwater	short-term (single instance)
2-butoxyethanol	111-76-2	PNEC	0.88 mg/l	aquatic organisms	marine water	short-term (single instance)
2-butoxyethanol	111-76-2	PNEC	463 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
2-butoxyethanol	111-76-2	PNEC	34.6 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
2-butoxyethanol	111-76-2	PNEC	3.46 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
2-butoxyethanol	111-76-2	PNEC	2.33 mg/kg	terrestrial organisms	soil	short-term (single instance)
toluene	108-88-3	PNEC	0.68 mg/l	aquatic organisms	freshwater	short-term (single instance)
toluene	108-88-3	PNEC	0.68 mg/l	aquatic organisms	marine water	short-term (single instance)
toluene	108-88-3	PNEC	13.61 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
toluene	108-88-3	PNEC	16.39 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
toluene	108-88-3	PNEC	16.39 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
toluene	108-88-3	PNEC	2.89 mg/kg	terrestrial organisms	soil	short-term (single instance)
dibutyltin dilaurate	77-58-7	PNEC	0 mg/l	aquatic organisms	freshwater	short-term (single instance)
dibutyltin dilaurate	77-58-7	PNEC	0 mg/l	aquatic organisms	marine water	short-term (single instance)
dibutyltin dilaurate	77-58-7	PNEC	100 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
dibutyltin dilaurate	77-58-7	PNEC	0.05 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)

Relevant PNECs of components of the mixture

Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
dibutyltin dilaurate	77-58-7	PNEC	0.005 $^{mg}/_{kg}$	aquatic organisms	marine sediment	short-term (single instance)
dibutyltin dilaurate	77-58-7	PNEC	0.041 $^{mg}/_{kg}$	terrestrial organisms	soil	short-term (single instance)

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Colour	not determined
Odour	characteristic
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	≥-20 °C at 101.3 kPa
Flammability	flammable liquid in accordance with GHS criteria

Lower and upper explosion limit	1.4 vol% - 7.6 vol%
Flash point	<-40 °C
Auto-ignition temperature	≥280 °C (auto-ignition temperature (liquids and gases))
Decomposition temperature	not relevant
pH (value)	not determined
Kinematic viscosity	not determined
Solubility(ies)	not determined

Partition coefficient

Partition coefficient n-octanol/water (log value)	this information is not available

Vapour pressure	≤240 kPa at 37.8 °C

Density and/or relative density

Density	not determined
Relative vapour density	information on this property is not available

Particle characteristics	not relevant (liquid)

9.2 Other information

Information with regard to physical hazard classes	there is no additional information

Other safety characteristics

Solid content	0.2154 %

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

10.5 Incompatible materials

Oxidisers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to GHS

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components of the mixture

Name of substance	CAS No	Exposure route	ATE
xylene	1330-20-7	dermal	1,100 $^{mg}/_{kg}$
xylene	1330-20-7	inhalation: vapour	11 $^{mg}/_{l}$/4h
ethyl benzene	100-41-4	inhalation: vapour	11 $^{mg}/_{l}$/4h
2-butoxyethanol	111-76-2	oral	1,414 $^{mg}/_{kg}$
2-butoxyethanol	111-76-2	inhalation: vapour	11 $^{mg}/_{l}$/4h

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

May cause genetic defects.

Carcinogenicity

May cause cancer.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

Other information

Repeated exposure may cause skin dryness or cracking.

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life.

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of ≥ 0,1%.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of ≥ 0,1%.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number

UN RTDG	UN 1263
IMDG-Code	UN 1263
ICAO-TI	UN 1263
ADG	UN 1263

14.2 UN proper shipping name

UN RTDG	PAINT
IMDG-Code	PAINT
ICAO-TI	Paint
ADG	PAINT

14.3 Transport hazard class(es)

UN RTDG	3
IMDG-Code	3
ICAO-TI	3
ADG	3

14.4 Packing group

UN RTDG	I
IMDG-Code	I
ICAO-TI	I
ADG	I

14.5 Environmental hazards

non-environmentally hazardous acc. to the dangerous goods regulations

14.6 Special precautions for user

There is no additional information.

14.7 Transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

SECTION 15: Regulatory information

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

There is no additional information.

National regulations (Australia)

Australian Inventory of Industrial Chemicals (AIIC)

Australian Inventory of Industrial Chemical Substances

Name acc. to inventory	CAS No
benzene, ethyl-	100-41-4
Titanium oxide (TiO2)	13463-67-7
Solvent naphtha (petroleum), light arom.	64742-95-6
Stannane, dibutylbis[(1-oxododecyl)oxy]-	77-58-7
Benzene, (1-methylethyl)-	98-82-8
benzene, ethenyl-, polymer with 1,3-butadiene	9003-55-8
2-Propanol, 1-methoxy-, acetate	108-65-6
benzene, methyl-	108-88-3
Ethanol, 2-butoxy-	111-76-2
benzene, dimethyl-	1330-20-7
acetic acid, butyl ester	123-86-4
Benzene, 1-chloro-4-(trifluoromethyl)-	98-56-6
Solvent naphtha (petroleum), light aliph.	64742-89-8

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Key literature references and sources for data

Safe Work Australia's Code of Practice for Labelling of Workplace Hazardous Chemicals (under WHS Regulations).

UN Recommendations on the Transport of Dangerous Good. International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.
Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.