Safety Data Sheet

acc. to Safe Work Australia - Code of Practice

POR-15 2K URETHANE DARK GRAY

Version number: GHS 4.0
Replaces version of: 2024-02-20 (GHS 3)

Revision: 2024-02-20

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

1.1 Product identifier

Trade name **POR-15 2K URETHANE DARK GRAY**

Product code(s) 43251, 43254, 47301A, 47305

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	3	Flam. Liq. 3	H226
3.2	skin corrosion/irritation	3	Skin Irrit. 3	H316
3.4S	skin sensitisation	1	Skin Sens. 1	H317
4.1A	hazardous to the aquatic environment - acute hazard	2	Aquatic Acute 2	H401

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. Spillage and fire water can cause pollution of watercourses.

2.2 Label elements

Labelling

- Signal word warning

- Pictograms

GHS02, GHS07

- Hazard statements

H226	Flammable liquid and vapour.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H401	Toxic to aquatic life.

- Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P321	Specific treatment (see on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to industrial combustion plant.

- Hazardous ingredients for labelling 4-chloro-α,α,α-trifluorotoluene

2.3 Other hazards

Results of PBT and vPvB assessment

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

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at 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	50 – < 75	
4-chloro-α,α,α-trifluorotoluene	CAS No 98-56-6	10 – < 25	Flam. Liq. 3 / H226 Acute Tox. 5 / H313 Skin Sens. 1B / H317 Aquatic Acute 1 / H400
n-butyl acetate	CAS No 123-86-4	10 – < 25	Flam. Liq. 3 / H226 STOT SE 3 / H336 Aquatic Acute 3 / H402
xylene	CAS No 1330-20-7	5 – < 10	Flam. Liq. 3 / H226 Acute Tox. 5 / H303 Acute Tox. 4 / H312 Acute Tox. 4 / H332 Skin Irrit. 2 / H315 Asp. Tox. 1 / H304 Aquatic Acute 2 / H401
ethyl benzene	CAS No 100-41-4	1 – < 5	Flam. Liq. 3 / H226 Acute Tox. 5 / H303 Acute Tox. 4 / H332 STOT RE 2 / H373 Asp. Tox. 1 / H304 Aquatic Acute 2 / H401 Aquatic Chronic 2 / H411
Titanium dioxide (excluding nano-particle)	CAS No 13463-67-7	0.1 – < 1	Carc. 2 / H351
Carbon black	CAS No 1333-86-4	0.1 – < 1	Aquatic Chronic 4 / H413
2-methoxy-1-methylethyl acetate	CAS No 108-65-6	0.1 – < 1	Flam. Liq. 3 / H226 Acute Tox. 5 / H313
Solvent naphtha (petroleum), light arom.	CAS No 64742-95-6	0 – < 0.1	Flam. Liq. 1 / H224 Acute Tox. 5 / H313 Muta. 1B / H340 Carc. 1A / H350 Asp. Tox. 1 / H304 Aquatic Acute 2 / H401
Naphtha (petroleum), hydrotreated heavy	CAS No 64742-48-9	0 – < 0.1	Flam. Liq. 1 / H224 Acute Tox. 5 / H313 Muta. 1B / H340 Carc. 1A / H350 Asp. Tox. 1 / H304 Aquatic Acute 2 / H401
stoddard solvent	CAS No 8052-41-3	0 – < 0.1	Flam. Liq. 3 / H226 Acute Tox. 5 / H313 Acute Tox. 3 / H331 Muta. 1B / H340 Carc. 1A / H350 STOT RE 1 / H372 Asp. Tox. 1 / H304 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410

Name of substance	Identifier	Wt%	Classification acc. to GHS
1,2,4-trimethylbenzene	CAS No 95-63-6	0 – < 0.1	Flam. Liq. 3 / H226 Acute Tox. 4 / H332 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 STOT SE 3 / H335 Asp. Tox. 1 / H304 Aquatic Acute 2 / H401 Aquatic Chronic 2 / H411
Lecithins, soybean	CAS No 8030-76-0	0 – < 0.1	
cumene	CAS No 98-82-8	0 – < 0.1	Flam. Liq. 3 / H226 STOT SE 3 / H335 Asp. Tox. 1 / H304 Aquatic Acute 2 / H401 Aquatic Chronic 2 / H411
dibutyltin dilaurate	CAS No 77-58-7	0 – < 0.1	Acute Tox. 5 / H303 Acute Tox. 5 / H313 Muta. 2 / H341 Repr. 1B / H360FD STOT RE 1 / H372 Aquatic Acute 2 / H401
naphtha (petroleum), hydrodesulphurized heavy	CAS No 64742-82-1	0 – < 0.1	Flam. Liq. 1 / H224 Acute Tox. 5 / H313 Muta. 1B / H340 Carc. 1A / H350 STOT RE 1 / H372 Asp. Tox. 1 / H304 Aquatic Acute 2 / H401
2-butanone oxime	CAS No 96-29-7	0 – < 0.1	Flam. Liq. 4 / H227 Acute Tox. 5 / H303 Acute Tox. 4 / H312 Acute Tox. 3 / H331 Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Skin Sens. 1 / H317 Carc. 1B / H350 STOT SE 1 / H370 STOT SE 3 / H336 STOT RE 2 / H373 Aquatic Acute 3 / H402
benzene	CAS No 71-43-2	0 – < 0.1	Flam. Liq. 2 / H225 Acute Tox. 5 / H303 Acute Tox. 5 / H333 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Muta. 1B / H340 Carc. 1A / H350 STOT RE 1 / H372 Asp. Tox. 1 / H304 Aquatic Acute 2 / H401
toluene	CAS No 108-88-3	0 – < 0.1	Flam. Liq. 2 / H225 Acute Tox. 5 / H333 Skin Irrit. 2 / H315 Repr. 2 / H361d STOT SE 3 / H336 STOT RE 2 / H373 Asp. Tox. 1 / H304 Aquatic Acute 2 / H401

Name of substance	Identifier	Wt%	Classification acc. to GHS
Polyacrylat	CAS No N/A	0 – < 0.1	

Remarks

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. In case of respiratory tract irritation, consult a physician. 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

Nitrogen oxides (NOx), 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. If substance has entered a water course or sewer, inform the responsible authority.

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	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	carbon black	1333-86-4	WES		3						WES
AU	titanium dioxide	13463-67-7	WES		10					i, noAsb_less1Sil	WES
AU	white spirit (mineral turpentine)	64742-48-9	WES		480						WES
AU	benzene	71-43-2	WES	1	3.2						WES
AU	stoddard solvent	8052-41-3	WES		790						WES

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	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
noAsb_less1Sil	contains no asbestos and less than 1% free crystalline silica
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

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
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
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

Relevant DNELs of components

Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
stoddard solvent	8052-41-3	DNEL	44 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
stoddard solvent	8052-41-3	DNEL	55 mg/m³	human, inhalatory	worker (industry)	acute - systemic effects
stoddard solvent	8052-41-3	DNEL	44 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
stoddard solvent	8052-41-3	DNEL	55 mg/m³	human, inhalatory	worker (industry)	acute - local effects
stoddard solvent	8052-41-3	DNEL	80 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
stoddard solvent	8052-41-3	DNEL	30 mg/kg bw/day	human, dermal	worker (industry)	acute - systemic effects
1,2,4-trimethylbenzene	95-63-6	DNEL	100 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
1,2,4-trimethylbenzene	95-63-6	DNEL	100 mg/m³	human, inhalatory	worker (industry)	acute - systemic effects
1,2,4-trimethylbenzene	95-63-6	DNEL	100 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
1,2,4-trimethylbenzene	95-63-6	DNEL	100 mg/m³	human, inhalatory	worker (industry)	acute - local effects
1,2,4-trimethylbenzene	95-63-6	DNEL	16,171 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
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
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
2-butanone oxime	96-29-7	DNEL	9 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
2-butanone oxime	96-29-7	DNEL	3.33 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
2-butanone oxime	96-29-7	DNEL	1.3 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
2-butanone oxime	96-29-7	DNEL	2.5 mg/kg bw/day	human, dermal	worker (industry)	acute - systemic effects

Relevant DNELs of components

Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
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

Relevant PNECs of components

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)
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)
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)

Relevant PNECs of components

Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
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)
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)
stoddard solvent	8052-41-3	PNEC	0.14 $^{mg}/_{l}$	aquatic organisms	freshwater	short-term (single instance)
stoddard solvent	8052-41-3	PNEC	0.35 $^{mg}/_{l}$	aquatic organisms	marine water	short-term (single instance)
stoddard solvent	8052-41-3	PNEC	1.14 $^{mg}/_{kg}$	aquatic organisms	freshwater sediment	short-term (single instance)
stoddard solvent	8052-41-3	PNEC	0.14 $^{mg}/_{kg}$	aquatic organisms	marine sediment	short-term (single instance)
1,2,4-trimethylbenzene	95-63-6	PNEC	0.12 $^{mg}/_{l}$	aquatic organisms	freshwater	short-term (single instance)
1,2,4-trimethylbenzene	95-63-6	PNEC	0.12 $^{mg}/_{l}$	aquatic organisms	marine water	short-term (single instance)
1,2,4-trimethylbenzene	95-63-6	PNEC	2.41 $^{mg}/_{l}$	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
1,2,4-trimethylbenzene	95-63-6	PNEC	13.56 $^{mg}/_{kg}$	aquatic organisms	freshwater sediment	short-term (single instance)
1,2,4-trimethylbenzene	95-63-6	PNEC	13.56 $^{mg}/_{kg}$	aquatic organisms	marine sediment	short-term (single instance)

Relevant PNECs of components

Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
1,2,4-trimethylbenzene	95-63-6	PNEC	2.34 $^{mg}/_{kg}$	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)
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)
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)
2-butanone oxime	96-29-7	PNEC	0.256 $^{mg}/_{l}$	aquatic organisms	freshwater	short-term (single instance)
2-butanone oxime	96-29-7	PNEC	177 $^{mg}/_{l}$	aquatic organisms	sewage treatment plant (STP)	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)

Relevant PNECs of components

Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
toluene	108-88-3	PNEC	2.89 $^{mg}/_{kg}$	terrestrial organisms	soil	short-term (single instance)
benzene	71-43-2	PNEC	1.9 $^{mg}/_{l}$	aquatic organisms	freshwater	short-term (single instance)
benzene	71-43-2	PNEC	1.9 $^{mg}/_{l}$	aquatic organisms	marine water	short-term (single instance)
benzene	71-43-2	PNEC	39 $^{mg}/_{l}$	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
benzene	71-43-2	PNEC	33 $^{mg}/_{kg}$	aquatic organisms	freshwater sediment	short-term (single instance)
benzene	71-43-2	PNEC	33 $^{mg}/_{kg}$	aquatic organisms	marine sediment	short-term (single instance)
benzene	71-43-2	PNEC	4.8 $^{mg}/_{kg}$	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	126.2 °C at 1,013 hPa
Flammability	flammable liquid in accordance with GHS criteria
Lower and upper explosion limit	1.1 vol% - 7 vol%
Flash point	23 °C at 1,013 hPa
Auto-ignition temperature	415 °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	0.207 PSI at 85 °F

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	0.756 %

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

Name of substance	CAS No	Exposure route	ATE
4-chloro-α,α,α-trifluorotoluene	98-56-6	dermal	>3,300 $^{mg}/_{kg}$
xylene	1330-20-7	oral	3,523 $^{mg}/_{kg}$
xylene	1330-20-7	dermal	1,100 $^{mg}/_{kg}$
xylene	1330-20-7	inhalation: vapour	11 $^{mg}/_{l}$/4h
ethyl benzene	100-41-4	oral	3,500 $^{mg}/_{kg}$
ethyl benzene	100-41-4	inhalation: vapour	11 $^{mg}/_{l}$/4h
2-methoxy-1-methylethyl acetate	108-65-6	dermal	>2,000 $^{mg}/_{kg}$
Solvent naphtha (petroleum), light arom.	64742-95-6	dermal	>2,000 $^{mg}/_{kg}$
Naphtha (petroleum), hydrotreated heavy	64742-48-9	dermal	>2,000 $^{mg}/_{kg}$
stoddard solvent	8052-41-3	dermal	>3,000 $^{mg}/_{kg}$
stoddard solvent	8052-41-3	inhalation: vapour	>5.5 $^{mg}/_{l}$/4h
1,2,4-trimethylbenzene	95-63-6	inhalation: vapour	11 $^{mg}/_{l}$/4h
dibutyltin dilaurate	77-58-7	oral	2,071 $^{mg}/_{kg}$
dibutyltin dilaurate	77-58-7	dermal	>2,000 $^{mg}/_{kg}$
naphtha (petroleum), hydrodesulphurized heavy	64742-82-1	dermal	>2,000 $^{mg}/_{kg}$
2-butanone oxime	96-29-7	oral	2,326 $^{mg}/_{kg}$
2-butanone oxime	96-29-7	dermal	>1,000 $^{mg}/_{kg}$
2-butanone oxime	96-29-7	inhalation: vapour	>4.83 $^{mg}/_{l}$/4h
toluene	108-88-3	inhalation: vapour	28.1 $^{mg}/_{l}$/4h
benzene	71-43-2	oral	>2,000 $^{mg}/_{kg}$
benzene	71-43-2	inhalation: vapour	43.77 $^{mg}/_{l}$/4h

Skin corrosion/irritation

Causes mild skin irritation.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

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.

11.2 Information on other hazards

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life.

Aquatic toxicity (acute) of components

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
4-chloro-α,α,α-trifluoro-toluene	98-56-6	LC50	6.5 $^{mg}/_{l}$	fish	24 h
4-chloro-α,α,α-trifluoro-toluene	98-56-6	ErC50	>0.41 $^{mg}/_{l}$	algae	72 h
4-chloro-α,α,α-trifluoro-toluene	98-56-6	EC50	>0.41 $^{mg}/_{l}$	algae	72 h
n-butyl acetate	123-86-4	LC50	18 $^{mg}/_{l}$	fish	96 h
n-butyl acetate	123-86-4	EC50	18 $^{mg}/_{l}$	fish	96 h
n-butyl acetate	123-86-4	ErC50	335 $^{mg}/_{l}$	algae	24 h
xylene	1330-20-7	LC50	8.4 $^{mg}/_{l}$	fish	96 h
xylene	1330-20-7	EC50	4.9 $^{mg}/_{l}$	algae	72 h
xylene	1330-20-7	ErC50	4.7 $^{mg}/_{l}$	algae	72 h
ethyl benzene	100-41-4	LC50	7 $^{mg}/_{l}$	fish	24 h
ethyl benzene	100-41-4	EC50	2.4 $^{mg}/_{l}$	aquatic invertebrates	48 h
Carbon black	1333-86-4	EC50	>5,600 $^{mg}/_{l}$	aquatic invertebrates	24 h
Carbon black	1333-86-4	ErC50	>10,000 $^{mg}/_{l}$	algae	72 h
2-methoxy-1-methylethyl acetate	108-65-6	LC50	180 $^{mg}/_{l}$	fish	96 h

Aquatic toxicity (acute) of components

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
2-methoxy-1-methylethyl acetate	108-65-6	EC50	>500 mg/l	aquatic invertebrates	48 h
2-methoxy-1-methylethyl acetate	108-65-6	ErC50	>1,000 mg/l	algae	96 h
Solvent naphtha (petroleum), light arom.	64742-95-6	LL50	8.2 mg/l	fish	96 h
Solvent naphtha (petroleum), light arom.	64742-95-6	EL50	4.5 mg/l	aquatic invertebrates	48 h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	LL50	8.2 mg/l	fish	96 h
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EL50	4.5 mg/l	aquatic invertebrates	48 h
stoddard solvent	8052-41-3	LC50	0.18 mg/l	fish	96 h
stoddard solvent	8052-41-3	LL50	41.4 mg/l	fish	96 h
stoddard solvent	8052-41-3	EL50	2.5 mg/l	algae	96 h
stoddard solvent	8052-41-3	EC50	0.58 mg/l	algae	96 h
1,2,4-trimethylbenzene	95-63-6	LC50	7.72 mg/l	fish	96 h
1,2,4-trimethylbenzene	95-63-6	EC50	2.356 mg/l	algae	96 h
cumene	98-82-8	LC50	4.7 mg/l	fish	96 h
cumene	98-82-8	EC50	2.14 mg/l	aquatic invertebrates	48 h
cumene	98-82-8	ErC50	2.01 mg/l	algae	72 h
dibutyltin dilaurate	77-58-7	LC50	21.2 mg/l	fish	96 h
dibutyltin dilaurate	77-58-7	EC50	3.4 mg/l	aquatic invertebrates	48 h
naphtha (petroleum), hydrodesulphurized heavy	64742-82-1	LL50	8.2 mg/l	fish	96 h
naphtha (petroleum), hydrodesulphurized heavy	64742-82-1	EL50	4.5 mg/l	aquatic invertebrates	48 h
2-butanone oxime	96-29-7	LC50	>100 mg/l	fish	96 h
2-butanone oxime	96-29-7	EC50	201 mg/l	aquatic invertebrates	48 h
2-butanone oxime	96-29-7	ErC50	11.8 mg/l	algae	72 h
toluene	108-88-3	LC50	5.5 mg/l	fish	96 h
toluene	108-88-3	EC50	84 mg/l	microorganisms	24 h
benzene	71-43-2	LC50	5.3 mg/l	fish	96 h
benzene	71-43-2	EC50	10 mg/l	aquatic invertebrates	24 h

Aquatic toxicity (acute) of components

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
benzene	71-43-2	ErC50	100 $^{mg}/_{l}$	algae	72 h

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 at a concentration of ≥ 0,1%.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at 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	III
IMDG-Code	III
ICAO-TI	III
ADG	III

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 Maritime 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)

AIIC-Australian Inventory of Industrial Chemicals (AIIC)

Australian Inventory of Chemical Substances	
Name acc. to inventory	**CAS No**
benzene, ethyl-	100-41-4
Titanium oxide (TiO2)	13463-67-7
Naphtha (petroleum), hydrotreated heavy	64742-48-9
Solvent naphtha (petroleum), light arom.	64742-95-6
benzene	71-43-2
Stannane, dibutylbis[(1-oxododecyl)oxy]-	77-58-7

Australian Inventory of Chemical Substances	
Name acc. to inventory	**CAS No**
stoddard solvent	8052-41-3
Benzene, 1,2,4-trimethyl-	95-63-6
2-Butanone, oxime	96-29-7
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
benzene, dimethyl-	1330-20-7
acetic acid, butyl ester	123-86-4
carbon black	1333-86-4
Benzene, 1-chloro-4-(trifluoromethyl)-	98-56-6

15.2 Chemical Safety Assessment

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

SECTION 16: Other information

Abbreviations and acronyms

ADG-Australian Dangerous Goods Code.
AICIS-Australian Inventory of Chemical Substances.
AIIC-Australian Inventory of Industrial Chemicals.

Key literature references and sources for data

Globally Harmonized System of Classification and Labelling of Chemicals ("Purple book").

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.