Safety Data Sheet

acc. to GHS-NZ

POR-15 2K URETHANE CLEAR

Version number: GHS 3.0
Replaces version of: 2023-04-10 (GHS 2)

Revision: 2024-01-08

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

1.1 Product identifier

Trade name	**POR-15 2K URETHANE CLEAR**
Product code(s)	43501, 43504, 43505, 47701, 47705

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

Relevant identified uses	Paint
Uses advised against	Do not use for squirting or spraying. Do not use for products which come into direct contact with the skin.

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: HGLB Holdings Limited
Registered Office
69 Rutherford Street
Lower Hutt 5010
Sales@por15nz.com
021-446682
:

1.4 Emergency telephone number

New Zealand ((Mon - Fri, 09:00-17:00 NZST)	NZ Poisons Information Center: 0800 764 766 or +(64) 3 474 7000

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
3.1I	acute toxicity (inhal.)	4	Acute Tox. 4	H332
3.2	skin corrosion/irritation	1B	Skin Corr. 1B	H314
3.3	serious eye damage/eye irritation	1	Eye Dam. 1	H318
3.4S	skin sensitisation	1	Skin Sens. 1	H317
3.8R	specific target organ toxicity - single exposure (respiratory tract irritation)	3	STOT SE 3	H335
3.9	specific target organ toxicity - repeated exposure	2	STOT RE 2	H373
3.10	aspiration hazard	1	Asp. Tox. 1	H304

Section	Hazard class	Category	Hazard class and category	Hazard statement
4.1A	hazardous to the aquatic environment - acute hazard	2	Aquatic Acute 2	H401
4.1C	hazardous to the aquatic environment - chronic hazard	3	Aquatic Chronic 3	H412

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

Skin corrosion produces an irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis. Delayed or immediate effects can be expected after short or long-term exposure. 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 danger

- Pictograms

GHS02, GHS05, GHS07, GHS08

- Hazard statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

- Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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.
P260	Do not breathe dusts or mists.
P271	Use only outdoors or in a well-ventilated area.
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.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see on this label).
P362+P364	Take off contaminated clothing and wash it before reuse.
P363	Wash contaminated clothing before reuse.

- Precautionary statements

P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to industrial combustion plant.

- Hazardous ingredients for labelling: p-Chloro-alpha,alpha,alpha-trifluorotoluene, xylene, ethyl benzene

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 (ED) 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
G-CURE 192BL80/ 27-0192	CAS No n/a	50 – < 75	
p-Chloro-alpha,alpha,alpha-trifluorotoluene	CAS No 98-56-6	10 – < 25	Flam. Liq. 3 / H226 Acute Tox. 4 / H302 Acute Tox. 5 / H313 Acute Tox. 3 / H331 Skin Corr. 1B / H314 Eye Dam. 1 / H318 Skin Sens. 1B / H317 STOT SE 3 / H335 STOT RE 2 / H373 Aquatic Acute 1 / H400 Aquatic Chronic 2 / H411
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

Name of substance	Identifier	Wt%	Classification acc. to GHS
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
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

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

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. 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

Keep any substance that emits harmful vapours or gases in a place that allows these to be permanently extracted. Use local and general ventilation. Ground/bond container and receiving equipment.

- Specific designs for storage rooms or vessels

Do not keep the container sealed.

- 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)
this information is not available

Relevant DNELs of components

Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
p-Chloro-alpha,alpha,alpha-trifluorotoluene	98-56-6	DNEL	1.025 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
p-Chloro-alpha,alpha,alpha-trifluorotoluene	98-56-6	DNEL	0.4 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
p-Chloro-alpha,alpha,alpha-trifluorotoluene	98-56-6	DNEL	17.6 µg/cm²	human, dermal	worker (industry)	acute - local effects

Relevant DNELs of components

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

Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
p-Chloro-alpha,alpha,alpha-trifluorotoluene	98-56-6	PNEC	2 µg/l	aquatic organisms	freshwater	short-term (single instance)
p-Chloro-alpha,alpha,alpha-trifluorotoluene	98-56-6	PNEC	0.2 µg/l	aquatic organisms	marine water	short-term (single instance)
p-Chloro-alpha,alpha,alpha-trifluorotoluene	98-56-6	PNEC	0.032 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
p-Chloro-alpha,alpha,alpha-trifluorotoluene	98-56-6	PNEC	0.022 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
p-Chloro-alpha,alpha,alpha-trifluorotoluene	98-56-6	PNEC	0.002 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
p-Chloro-alpha,alpha,alpha-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)
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)
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)

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	0.01 %

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

Harmful if inhaled.

- Acute toxicity estimate (ATE)

Inhalation: vapour 13.67 $^{mg}/_{l}$/4h

Acute toxicity estimate (ATE) of components

Name of substance	CAS No	Exposure route	ATE
p-Chloro-alpha,alpha,alpha-trifluorotoluene	98-56-6	dermal	>3,300 $^{mg}/_{kg}$
p-Chloro-alpha,alpha,alpha-trifluorotoluene	98-56-6	inhalation: vapour	3 $^{mg}/_{l}$/4h
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
dibutyltin dilaurate	77-58-7	oral	2,071 $^{mg}/_{kg}$
dibutyltin dilaurate	77-58-7	dermal	>2,000 $^{mg}/_{kg}$

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/eye irritation

Causes serious eye damage.

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

May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2 Information on other hazards

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
p-Chloro-alpha,alpha,alpha-trifluorotoluene	98-56-6	LC50	6.5 $^{mg}/_{l}$	fish	24 h
p-Chloro-alpha,alpha,alpha-trifluorotoluene	98-56-6	ErC50	>0.41 $^{mg}/_{l}$	algae	72 h
p-Chloro-alpha,alpha,alpha-trifluorotoluene	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
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

Aquatic toxicity (chronic) of components

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
p-Chloro-alpha,alpha,alpha-trifluorotoluene	98-56-6	EC50	242.1 mg/l	microorganisms	30 min
n-butyl acetate	123-86-4	EC50	34.2 mg/l	aquatic invertebrates	21 d
n-butyl acetate	123-86-4	LC50	43.5 mg/l	aquatic invertebrates	21 d
xylene	1330-20-7	EL50	2.9 mg/l	aquatic invertebrates	21 d
xylene	1330-20-7	ErC50	4.36 mg/l	algae	73 h
xylene	1330-20-7	EC50	2.2 mg/l	algae	73 h
ethyl benzene	100-41-4	LC50	3.6 mg/l	aquatic invertebrates	7 d
dibutyltin dilaurate	77-58-7	EC50	>1,000 mg/l	microorganisms	3 h

12.2 Persistence and degradability

Degradability of components

Name of substance	CAS No	Process	Degradation rate	Time	Method	Source
p-Chloro-alpha,alpha,alpha-trifluorotoluene	98-56-6	carbon dioxide generation	3 %	28 d		ECHA
p-Chloro-alpha,alpha,alpha-trifluorotoluene	98-56-6	oxygen depletion	8.2 %	7 d		ECHA
n-butyl acetate	123-86-4	oxygen depletion	80 %	5 d		ECHA
xylene	1330-20-7	oxygen depletion	98 %	28 d		ECHA
dibutyltin dilaurate	77-58-7	oxygen depletion	23 %	39 d		ECHA

12.3 Bioaccumulative potential

Data are not available.

Bioaccumulative potential of components

Name of substance	CAS No	BCF	Log KOW	BOD5/COD
p-Chloro-alpha,alpha,alpha-trifluorotoluene	98-56-6	121.8 – 202	3.7 (25 °C)	
n-butyl acetate	123-86-4		2.3 (pH value: ~7, 25 °C)	
xylene	1330-20-7	>5.5 – <12.2	3.2 (pH value: 7, 20 °C)	
ethyl benzene	100-41-4	1	3.6 (pH value: 7.84, 20 °C)	

Bioaccumulative potential of components

Name of substance	CAS No	BCF	Log KOW	BOD5/COD
dibutyltin dilaurate	77-58-7		4.44 (20.8 °C)	

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 (ED) 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

14.2 UN proper shipping name

UN RTDG	PAINT
IMDG-Code	PAINT
ICAO-TI	Paint

14.3 Transport hazard class(es)

UN RTDG	3
IMDG-Code	3
ICAO-TI	3

14.4 Packing group

UN RTDG	III
IMDG-Code	III
ICAO-TI	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 (New Zealand)

New Zealand Inventory of Chemicals
(NZIoC)

Surface Coatings and Colourants (Flammable, Carcinogenic) Group Standard 2020 HSR002669.

NZIoC

Name of substance	CAS No	Approval status
ethyl benzene	100-41-4	HSNO Approval: HSR001151
dibutyltin dilaurate	77-58-7	HSNO Approval: HSR003610
p-Chloro-alpha,alpha,alpha-trifluorotoluene	98-56-6	Does not have an individual approval but may be used under an appropriate group standard
xylene	1330-20-7	HSNO Approval: HSR000983
n-butyl acetate	123-86-4	HSNO Approval: HSR001091

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

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.