

SAFETY DATA SHEET

Section 1. Identification

Product identifier : 1250088907
Product name : Syrox S5100 Air Dry Clear (Scratch Resistant)
Other means of identification : Not available.
Date of issue : 8/10/2022
Version : 13

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

Identified uses : Coating component.
Uses advised against : Not for sale to or use by consumers.

Supplier's details : Axalta Coating Systems Australia Pty Limited
 16 Darling Street, Marsden Park NSW 2765, Australia
 Importer: Resene Automotive & Light Industrial
 4 Te Apunga Place, Mt Wellington, Auckland, New Zealand
 Telephone: +64 (09) 259 2738
Product information : +61 (0)2 8818 4300

Emergency telephone number : +(64) 9801 0034 NZ Poisons Information Center: 0800 764 766 or +(64) 3 479 7248

Section 2. Hazards identification

This material is classified as hazardous according to criteria in the Hazardous Substances (Hazard Classification) Notice 2020.

This material is classified as DANGEROUS GOODS according to criteria in New Zealand Standard 5433:2012 Transport of Dangerous Goods on Land.

HSNO Classification : FLAMMABLE LIQUIDS - Category 2
 EYE IRRITATION - Category 2
 SKIN SENSITISATION - Category 1
 CARCINOGENICITY - Category 2
 REPRODUCTIVE TOXICITY - Category 2
 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2
 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3

GHS label elements

Symbol



Signal word

: Danger

Section 2. Hazards identification

Hazard statements : Highly flammable liquid and vapour.
May cause an allergic skin reaction.
Causes serious eye irritation.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.
May cause damage to organs through prolonged or repeated exposure.
Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment. Do not breathe vapour. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, protective clothing and eye or face protection.

Response : IF exposed or concerned: Get medical advice or attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

Storage : Store locked up.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Other hazards which do not result in classification : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Ingredient name	% (w/w)	CAS number
n-butyl acetate	10 - <30	123-86-4
acetone	10 - <30	67-64-1
5-methylhexan-2-one	10 - <30	110-12-3
butanone	5 - <10	78-93-3
Solvent naphtha (petroleum), light arom.	5 - <10	64742-95-6
4-methylpentan-2-one	3 - <5	108-10-1
1,2,4-trimethylbenzene	1 - <3	95-63-6
xylene	0.3 - <1	1330-20-7
A mixture of: α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene); α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene)	0.3 - <1	-
propylidynetrimethanol	0.3 - <1	77-99-6
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	0.1 - <0.3	41556-26-7
dibutyltin dilaurate	0.1 - <0.3	77-58-7
ethylbenzene	0.1 - <0.3	100-41-4
2,3-epoxypropyl neodecanoate	0.1 - <0.3	26761-45-5
pentaerythritol tetrakis(3-mercaptopropionate)	0.1 - <0.3	7575-23-7

Section 3. Composition/information on ingredients

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Inhalation** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.
- Skin contact** : May cause an allergic skin reaction.
- Eye contact** : Causes serious eye irritation.

Over-exposure signs/symptoms

- Inhalation** : Adverse symptoms may include the following:
reduced foetal weight
increase in foetal deaths
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:
reduced foetal weight
increase in foetal deaths
skeletal malformations

Section 4. First aid measures

- Skin** : Adverse symptoms may include the following:
irritation
redness
reduced foetal weight
increase in foetal deaths
skeletal malformations
- Eyes** : Adverse symptoms may include the following:
pain or irritation
watering
redness

Indication of immediate medical attention and special treatment needed, if necessary

- Specific treatments** : Not available.
- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

- Suitable** : Use dry chemical, CO₂, water spray (fog) or foam.
- Not suitable** : Do not use water jet.
- Specific hazards arising from the chemical** : Highly flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
- Hazchem code** : •3YE
- Special precautions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
- Remark** : Not available.

Section 6. Accidental release measures

- Personal precautions, protective equipment and emergency procedures** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

Methods and material for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

- Precautions for safe handling** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
n-butyl acetate	NZ HSWA 2015 - GRWM 2016 (New Zealand, 11/2020). WES-TWA: 150 ppm 8 hours. WES-TWA: 713 mg/m ³ 8 hours. WES-STEL: 950 mg/m ³ 15 minutes. WES-STEL: 200 ppm 15 minutes.
acetone	NZ HSWA 2015 - GRWM 2016 (New Zealand, 11/2020). WES-TWA: 500 ppm 8 hours. WES-TWA: 1185 mg/m ³ 8 hours. WES-STEL: 2375 mg/m ³ 15 minutes. WES-STEL: 1000 ppm 15 minutes.
5-methylhexan-2-one	NZ HSWA 2015 - GRWM 2016 (New Zealand, 11/2020). WES-TWA: 50 ppm 8 hours. WES-TWA: 234 mg/m ³ 8 hours.
butanone	NZ HSWA 2015 - GRWM 2016 (New Zealand, 11/2020). WES-TWA: 150 ppm 8 hours. WES-TWA: 445 mg/m ³ 8 hours. WES-STEL: 890 mg/m ³ 15 minutes. WES-STEL: 300 ppm 15 minutes.
4-methylpentan-2-one	NZ HSWA 2015 - GRWM 2016 (New Zealand, 11/2020). WES-TWA: 50 ppm 8 hours. WES-TWA: 205 mg/m ³ 8 hours. WES-STEL: 307 mg/m ³ 15 minutes. WES-STEL: 75 ppm 15 minutes.
1,2,4-trimethylbenzene	NZ HSWA 2015 - GRWM 2016 (New Zealand, 11/2020). WES-TWA: 25 ppm 8 hours. WES-TWA: 123 mg/m ³ 8 hours.
xylene	NZ HSWA 2015 - GRWM 2016 (New Zealand, 11/2020). WES-TWA: 50 ppm 8 hours. WES-TWA: 217 mg/m ³ 8 hours.
dibutyltin dilaurate	NZ HSWA 2015 - GRWM 2016 (New Zealand, 11/2020). Absorbed through skin. WES-TWA: 0.1 mg/m ³ , (as Sn) 8 hours. WES-STEL: 0.2 mg/m ³ , (as Sn) 15 minutes.
ethylbenzene	NZ HSWA 2015 - GRWM 2016 (New Zealand, 11/2020). WES-TWA: 100 ppm 8 hours. WES-TWA: 434 mg/m ³ 8 hours. WES-STEL: 543 mg/m ³ 15 minutes. WES-STEL: 125 ppm 15 minutes.

Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Section 8. Exposure controls/personal protection

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Eye protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Section 9. Physical and chemical properties

Appearance

Physical state : Liquid.
Colour : Clear.
Odour : Not available.
Odour threshold : Not available.
pH : Not applicable.
Melting point : Not applicable.
Boiling point : 56 to 200°C (132.8 to 392°F)
Flash point : Closed cup: -7°C (19.4°F) [Product does not sustain combustion.]
Fire point : Not available.
Evaporation rate : Not available.
Flammability (solid, gas) : Not available.

Section 9. Physical and chemical properties

Lower and upper explosive (flammable) limits	: Lower: 0.7% Upper: 12.8%
Vapour pressure	: 5.5 kPa (41.1 mm Hg)
Vapour density	: Not available.
Density	: 0.899 g/cm ³
Solubility	: Soluble in the following materials: cold water.
Partition coefficient: n-octanol/water	: Not applicable.
Auto-ignition temperature	: 280°C (536°F)
Decomposition temperature	: Not applicable.
SADT	: Not available.
SAPT	: Not available.
Viscosity	: Dynamic: 20 mPa·s (20 cP) Kinematic: 22 mm ² /s (22 cSt)
Flow time (ISO 2431)	: Not available.

Section 10. Stability and reactivity

Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
Incompatible materials	: Reactive or incompatible with the following materials: oxidising materials
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on likely routes of exposure

Inhalation	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
Skin contact	: May cause an allergic skin reaction.
Eye contact	: Causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation	: Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations

Section 11. Toxicological information

- Skin contact** : Adverse symptoms may include the following:
 irritation
 redness
 reduced foetal weight
 increase in foetal deaths
 skeletal malformations
- Eye contact** : Adverse symptoms may include the following:
 pain or irritation
 watering
 redness

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
n-butyl acetate	LC50 Inhalation Vapour	Rat	21.1 mg/l	4 hours
	LD50 Dermal	Rabbit	>17600 mg/kg	-
	LD50 Oral	Rat	10768 mg/kg	-
acetone	LC50 Inhalation Vapour	Rat	21 mg/l	4 hours
	LD50 Dermal	Rabbit	2001 mg/kg	-
	LD50 Oral	Rat	5800 mg/kg	-
5-methylhexan-2-one	LC50 Inhalation Gas.	Rat	5000 ppm	4 hours
	LD50 Oral	Rat	3200 mg/kg	-
butanone	LD50 Dermal	Rabbit	6480 mg/kg	-
	LD50 Oral	Rat	2737 mg/kg	-
Solvent naphtha (petroleum), light arom.	LD50 Dermal	Rabbit	3492 mg/kg	-
	LD50 Oral	Rat	8400 mg/kg	-
4-methylpentan-2-one	LC50 Inhalation Vapour	Rat	16.4 mg/l	4 hours
	LD50 Oral	Rat	2080 mg/kg	-
1,2,4-trimethylbenzene	LC50 Inhalation Vapour	Rat	18000 mg/m ³	4 hours
	LD50 Oral	Rat	5 g/kg	-
xylene	LC50 Inhalation Gas.	Rat	5000 ppm	4 hours
	LD50 Oral	Rat	4300 mg/kg	-
propylidynetrimethanol	LD50 Oral	Rat	14000 mg/kg	-
dibutyltin dilaurate	LD50 Oral	Rat - Male, Female	2071 mg/kg	-
ethylbenzene	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	3500 mg/kg	-
2,3-epoxypropyl neodecanoate	LD50 Oral	Rat	>10 g/kg	-

Conclusion/Summary : Not available.

Irritation/Corrosion

Section 11. Toxicological information

Product/ingredient name	Result	Species	Score	Exposure	Observation
acetone	Eyes - Mild irritant	Human	-	186300 ppm	-
	Eyes - Mild irritant	Rabbit	-	10 uL	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 20 mg	-
	Eyes - Severe irritant	Rabbit	-	20 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
5-methylhexan-2-one	Skin - Mild irritant	Rabbit	-	395 mg	-
	Eyes - Mild irritant	Rabbit	-	24 hours 100 uL	-
butanone	Skin - Mild irritant	Rabbit	-	24 hours 14 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-
4-methylpentan-2-one	Eyes - Moderate irritant	Rabbit	-	24 hours 100 uL	-
	Eyes - Severe irritant	Rabbit	-	40 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
xylene	Eyes - Mild irritant	Rabbit	-	87 mg	-
	Eyes - Severe irritant	Rabbit	-	24 hours 5 mg	-
	Skin - Mild irritant	Rat	-	8 hours 60 uL	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-
dibutyltin dilaurate	Skin - Moderate irritant	Rabbit	-	100 %	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 100 mg	-
ethylbenzene	Skin - Severe irritant	Rabbit	-	500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 15 mg	-

Skin : Not available.

Eyes : Not available.

Respiratory : Not available.

Sensitisation

Not available.

Skin : Not available.

Respiratory : Not available.

Potential chronic health effects

General : May cause damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin contact : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Section 11. Toxicological information

Eye contact	: No known significant effects or critical hazards.
Carcinogenicity	: Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: Suspected of damaging the unborn child.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: Suspected of damaging fertility.

Chronic toxicity

Not available.

Conclusion/Summary : Not available.

Carcinogenicity

Not available.

Conclusion/Summary : Not available.

Mutagenicity

Not available.

Conclusion/Summary : Not available.

Teratogenicity

Not available.

Conclusion/Summary : Not available.

Reproductive toxicity

Not available.

Conclusion/Summary : Not available.

Specific target organ toxicity

Name	Category	Route of exposure	Target organs
butanone	Category 2	-	-
1,2,4-trimethylbenzene	Category 2	-	-
xylene	Category 2	-	-
dibutyltin dilaurate	Category 1	-	-
ethylbenzene	Category 2	-	-

Aspiration hazard

Name
Solvent naphtha (petroleum), light arom.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	10493.22 mg/kg
Inhalation (gases)	34977.41 ppm
Inhalation (vapours)	50.54 mg/l

Section 11. Toxicological information

Other information : Not available.

Section 12. Ecological information

Ecotoxicity : This material is harmful to aquatic life with long lasting effects.

Aquatic and terrestrial toxicity

Product/ingredient name	Result	Species	Exposure
n-butyl acetate acetone	Acute LC50 185000 µg/l Marine water	Fish - Menidia beryllina	96 hours
	Acute EC50 20.565 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Acute LC50 4.42589 ml/L Marine water	Crustaceans - Acartia tonsa - Copepodid	48 hours
	Acute LC50 10000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 5600 ppm Fresh water	Fish - Poecilia reticulata	96 hours
	Chronic NOEC 4.95 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Chronic NOEC 0.016 ml/L Fresh water	Crustaceans - Daphniidae	21 days
	Chronic NOEC 0.1 ml/L Fresh water	Daphnia - Daphnia magna - Neonate	21 days
5-methylhexan-2-one butanone	Acute LC50 159000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Acute EC50 >500000 µg/l Marine water	Algae - Skeletonema costatum	96 hours
	Acute EC50 5091000 µg/l Fresh water	Daphnia - Daphnia magna - Larvae	48 hours
4-methylpentan-2-one	Acute LC50 3220000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Acute LC50 505000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 78 mg/l Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 168 mg/l Fresh water	Fish - Pimephales promelas - Embryo	33 days
1,2,4-trimethylbenzene	Acute LC50 4910 µg/l Marine water	Crustaceans - Elasmopus pecteniscrus - Adult	48 hours
xylene	Acute LC50 7720 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	EC50 3.82 mg/l	Crustaceans - Penaeus monodon	48 hours
propylidynetrimethanol	Acute LC50 13400 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Acute EC50 13000000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 14400000 µg/l Marine water	Fish - Cyprinodon variegatus	96 hours
dibutyltin dilaurate	Acute EC50 1 mg/l	Algae	72 hours
	Acute EC50 463 µg/l	Daphnia	48 hours
	Acute LC50 3.1 mg/l	Fish	96 hours
	Chronic EC10 >2 mg/l Fresh water	Algae - Desmodesmus subspicatus	96 hours
ethylbenzene	Acute LC50 13.3 mg/l Marine water	Crustaceans - Artemia sp. - Nauplii	48 hours
	Acute LC50 13.9 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
pentaerythritol tetrakis (3-mercaptopropionate)	Acute EC50 0.12 mg/l	Algae	72 hours
	Acute EC50 0.35 mg/l	Daphnia	48 hours
	Acute LC50 0.034 mg/l	Fish - Oncorhynchus mykiss	96 hours
	Acute NOEC 0.12 mg/l	Algae	72 hours
	Acute NOEC 0.35 mg/l	Daphnia	48 hours
	Acute NOEC 0.017 mg/l	Fish - Oncorhynchus mykiss	96 hours

Section 12. Ecological information

Conclusion/Summary : Not available.

Persistence/degradability

Product/ingredient name	Test	Result	Dose	Inoculum
xylene	OECD 301 F	90 % - 28 days	-	-
pentaerythritol tetrakis (3-mercaptopropionate)	OECD 301B	26 % - Not readily - 28 days	-	-

Conclusion/Summary : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
xylene	-	-	Readily
pentaerythritol tetrakis (3-mercaptopropionate)	-	-	Not readily

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
n-butyl acetate	2.3	-	low
acetone	-0.23	-	low
5-methylhexan-2-one	1.88	-	low
butanone	0.3	-	low
Solvent naphtha (petroleum), light arom.	-	10 to 2500	high
4-methylpentan-2-one	1.9	-	low
1,2,4-trimethylbenzene	3.63	243	low
xylene	3.12	8.1 to 25.9	low
propylidynetrimethanol	-0.47	<1	low
dibutyltin dilaurate	4.44	2.91	low
ethylbenzene	3.6	-	low
2,3-epoxypropyl	4.4	-	high
neodecanoate			
pentaerythritol tetrakis (3-mercaptopropionate)	3.03	23.7	low

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Mobility : Not available.

Other adverse effects : No known significant effects or critical hazards.





Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty

Section 13. Disposal considerations

containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	New Zealand Class (5433)	IMDG	IATA
UN number	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT
Transport hazard class(es)	3 	3  	3 
Packing group	II	II	II
Environmental hazards	No.	Yes.	No.

Additional information

New Zealand : **Hazchem code** •3YE

IMDG : The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.

IATA : The environmentally hazardous substance mark may appear if required by other transportation regulations.

Hazchem code : •3YE

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments : Not available.

Proper shipping name : Not available.

Ship type : Not available.

Pollution category : Not available.

The actual shipping description for this product may vary based several factors including, but not limited to, the volume of material, size of the container, mode of transport and use of exemptions or exceptions found in the applicable regulations. The information provided in Section 14 is one possible shipping description for this product. Consult your shipping specialist or supplier for appropriate assignment information.

Section 15. Regulatory information

HSNO Approval Number	: HSR002669
HSNO Group Standard	: Surface Coatings and Colourants (Flammable, Carcinogenic) Group Standard 2020
HSNO Classification	: FLAMMABLE LIQUIDS - Category 2 EYE IRRITATION - Category 2 SKIN SENSITISATION - Category 1 CARCINOGENICITY - Category 2 REPRODUCTIVE TOXICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3

Section 16. Other information

History

Date of issue	: 8/10/2022
Version	: 13
Prepared by	Product stewardship and regulatory compliance.
Key to abbreviations	: ACGIH = Association Advancing Occupational and Environmental Health ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals HSWA = Health and Safety at Work Act 2015 IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) TLV = Threshold Limit Value WES = Workplace Exposure Standards

Indicates information that has changed from previously issued version.

Notice to reader

This product is intended for industrial use only.

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Section 16. Other information

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