Safety Data Sheet
SPRAYMATE STRUCTURAL ENAMEL PAPYRUS WHITE

HSNO 2017 - New Zealand

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

1.1 Product identifier

Product name : SPRAYMATE STRUCTURAL ENAMEL PAPYRUS WHITE

Product identity : 156055.540

Product type : Paint. (Aerosol paint)

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

Field of application : buildings

Identified uses : Industrial applications, Professional applications, Used by spraying.

1.3 Details of the supplier of the safety data sheet

Company details : Hempel (Wattyl) New Zealand Limited
4-14 Patiki Road
Avondale, Auckland 1026
New Zealand
Tel.: +(64) 98010034
Email: wattyl@wattyl.com.au

Date of Preparation : 15 April 2025

Date of previous issue No previous validation.

1.4 Emergency telephone number

Emergency telephone number (with hours of operation)

Poisons Centre New Zealand: 0800 764 766 (24 hour)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

GHS Classification

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

2.2 Label elements

Hazard pictograms :

Signal word : Danger

Hazard statements : H222, H229 - Extremely flammable aerosol. Pressurised container: may burst if heated.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H351 - Suspected of causing cancer.
H360 - May damage fertility or the unborn child.
H373 - May cause damage to organs through prolonged or repeated exposure.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements :

General : Do not apply directly into or onto water. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

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

SECTION 2: Hazards identification

Response :	IF exposed or concerned: Get medical advice or attention. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. 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. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Disposal :	Dispose of contents and container in accordance with all local, regional, national and international regulations.

2.3 Other hazards

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

SECTION 3: Composition/information on ingredients

Product/ingredient name	Identifiers	%
Petroleum gases, liquefied	CAS: 68476-85-7	≥10 - ≤30
xylene	CAS: 1330-20-7	≥10 - ≤23
titanium dioxide	CAS: 13463-67-7	≥10 - ≤30
solvent naphtha (petroleum), light aliph.	CAS: 64742-89-8	≤5
ethylbenzene	CAS: 100-41-4	≤5
toluene	CAS: 108-88-3	≤2.1
2-methoxy-1-methylethyl acetate	CAS: 108-65-6	≤3
n-butyl acetate	CAS: 123-86-4	≤3
2-butanone oxime	CAS: 96-29-7	≤0.3
bis(2-ethylhexyl) phthalate	CAS: 117-81-7	≤0.3

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

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.

SECTION 4: First aid measures

4.1 Description of first aid measures

General :	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 112 and give immediate treatment (first aid).
Eye contact :	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek immediate medical attention/advice.
Inhalation :	Remove to fresh air and keep at rest in a position comfortable for breathing. Give nothing by mouth. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If unconscious, place in recovery position and get medical attention immediately.
Skin contact :	Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners. Remove contaminated clothing and shoes.
Ingestion :	If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting unless directed to do so by medical personnel. Lower the head so that vomit will not re-enter the mouth and throat.
Protection of first-aiders :	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact :	No known significant effects or critical hazards.
Inhalation :	No known significant effects or critical hazards.
Skin contact :	Causes skin irritation.
Ingestion :	No known significant effects or critical hazards.

Over-exposure signs/symptoms

SECTION 4: First aid measures

Eye contact :	Adverse symptoms may include the following: pain or irritation watering redness
Inhalation :	Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact :	Adverse symptoms may include the following: irritation redness
Ingestion :	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician :	If gasses have been inhaled, from the decomposition of the product, symptoms may be delayed. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments :	No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Extinguishing media :	Recommended: alcohol resistant foam, CO_2, powders, water spray. Not to be used : waterjet.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture :	Extremely flammable aerosol. 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. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. This material is harmful to aquatic life with long lasting effects. This material may cause endocrine disruption in the environment. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products :	Decomposition products may include the following materials: carbon oxides nitrogen oxides metal oxide/ oxides

5.3 Advice for firefighters

When heated, the pressure inside the container will increase and may lead to the risk of an explosion. 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. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid all direct contact with the spilled material. Exclude sources of ignition and be aware of explosion hazard. Ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8. No action shall be taken involving any personal risk or without suitable training. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

6.2 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.

6.3 Methods and material for containment and cleaning up

Stop leak if without risk. Move containers from spill area. 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). Use spark-proof tools and explosion-proof equipment. Contaminated absorbent material may pose the same hazard as the spilt product.

SECTION 6: Accidental release measures

6.4 Reference to other sections

See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapors in air and avoid vapor concentrations higher than the occupational exposure limits. In addition, the product should be used only in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. To dissipate static electricity during transfer, ground drum and connect to receiving container with bonding strap. No sparking tools should be used.
Avoid inhalation of vapour, dust and spray mist. Avoid contact with skin and eyes. Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Appropriate personal protective equipment: see Section 8. Always keep in containers made from the same material as the original one.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a cool, well-ventilated area away from incompatible materials and ignition sources. Keep out of the reach of children. Keep away from: Oxidizing agents, strong alkalis, strong acids. No smoking. Prevent unauthorized access. Containers that are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s)

See separate Product Data Sheet for recommendations or industrial sector specific solutions.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Product/ingredient name	Exposure limit values
Petroleum gases, liquefied	**HSWA 2015 - HSW (GRWM) 2016. Workplace exposure standards (WES) (New Zealand, 11/2023)** WES-TWA 8 hours: 1000 ppm. WES-TWA 8 hours: 1800 mg/m³.
xylene	**HSWA 2015 - HSW (GRWM) 2016. Workplace exposure standards (WES) (New Zealand, 11/2023) [xylene (o-, m-, p-isomers)]** Ototoxicant. WES-TWA 8 hours: 50 ppm. WES-TWA 8 hours: 217 mg/m³.
titanium dioxide	**HSWA 2015 - HSW (GRWM) 2016. Workplace exposure standards (WES) (New Zealand, 11/2023)** WES-TWA 8 hours: 10 mg/m³.
solvent naphtha (petroleum), light aliph.	**HSWA 2015 - HSW (GRWM) 2016. Workplace exposure standards (WES) (New Zealand, 11/2023) [Hexane, Other isomers]** WES-TWA 8 hours: 500 ppm. WES-TWA 8 hours: 1760 mg/m³. WES-STEL 15 minutes: 3500 mg/m³. WES-STEL 15 minutes: 1000 ppm.
ethylbenzene	**HSWA 2015 - HSW (GRWM) 2016. Workplace exposure standards (WES) (New Zealand, 11/2023)** Absorbed through skin , Ototoxicant. WES-TWA 8 hours: 20 ppm. WES-TWA 8 hours: 88 mg/m³. WES-STEL 15 minutes: 176 mg/m³. WES-STEL 15 minutes: 40 ppm.
toluene	**HSWA 2015 - HSW (GRWM) 2016. Workplace exposure standards (WES) (New Zealand, 11/2023)** Absorbed through skin , Ototoxicant. WES-TWA 8 hours: 20 ppm. WES-TWA 8 hours: 75 mg/m³. WES-STEL 15 minutes: 377 mg/m³. WES-STEL 15 minutes: 100 ppm.
2-methoxy-1-methylethyl acetate	**EH40/2005 WELs (United Kingdom (UK), 1/2020)** Absorbed through skin. STEL 15 minutes: 548 mg/m³. TWA 8 hours: 50 ppm. TWA 8 hours: 274 mg/m³. STEL 15 minutes: 100 ppm.
n-butyl acetate	**HSWA 2015 - HSW (GRWM) 2016. Workplace exposure standards (WES) (New Zealand, 11/2023)** WES-TWA 8 hours: 150 ppm.

SECTION 8: Exposure controls/personal protection

	WES-TWA 8 hours: 713 mg/m³. WES-STEL 15 minutes: 950 mg/m³. WES-STEL 15 minutes: 200 ppm.
bis(2-ethylhexyl) phthalate	**HSWA 2015 - HSW (GRWM) 2016. Workplace exposure standards (WES) (New Zealand, 11/2023)** Absorbed through skin. WES-TWA 8 hours: 2 mg/m³. WES-STEL 15 minutes: 4 mg/m³.

Recommended monitoring procedures

Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

8.2 Exposure controls

Appropriate engineering controls

Arrange sufficient ventilation by local exhaust ventilation and good general ventilation to keep the airborne concentrations of vapors or dust lowest possible and below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Individual protection measures

General : Gloves must be worn for all work that may result in soiling. Apron/coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. Safety eyewear should be used when there is a likelihood of exposure.

Hygiene measures : Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Eye/face 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.

Hand protection : Wear chemically resistant gloves (tested to EN374) in combination with 'basic' employee training. The quality of the chemical-resistant protective gloves must be chosen as a function of the specific workplace concentrations and quantity of hazardous substances.

Since the actual work situation is unknown. Supplier of gloves should be contacted in order to find the appropriate type. Below listed glove(s) should be regarded as generic advice:

Recommended: Silver Shield / Barrier / 4H gloves, polyvinyl alcohol (PVA), Viton®
May be used: nitrile rubber (>0.3 mm)
Short term exposure: neoprene rubber (>0.1 mm), butyl rubber (>0.5 mm), natural rubber (latex) (>0.4 mm), polyvinyl chloride (PVC), nitrile rubber (>0.1 mm), butyl rubber (>0.3 mm)

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved handling this product.

Respiratory protection : When the product is applied by spraying and for continuous or prolonged work always wear an air-fed respirator e.g. hood with supply of fresh or compressed air or a full face, powered air purifying filter. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If working areas have insufficient ventilation: When the product is applied by means that will not generate an aerosol such as, brush or roller wear half or totally covering mask equipped with gas filter of type A, when grinding use particle filter of type P. (EN140) Be sure to use an approved/certified respirator or equivalent.

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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : Aerosol.

Odour : Solvent-like

pH : Testing not relevant or not possible due to nature of the product.

Melting point/freezing point : Testing not relevant or not possible due to nature of the product.

Boiling point/boiling range : Testing not relevant or not possible due to nature of the product.

Flash point : Closed cup: -104°C (-155.2°F)

Evaporation rate : Testing not relevant or not possible due to nature of the product.

Flammability : Highly flammable in the presence of the following materials or conditions: open flames, sparks and static discharge, heat and oxidising materials.

Vapour pressure :

	Vapour Pressure at 20°C			Vapour pressure at 50°C		
Ingredient name	**mm Hg**	**kPa**	**Method**	**mm Hg**	**kPa**	**Method**
Petroleum gases, liquefied	3097.22	412.9	ASTM D 323			

Vapour density : Not available.

Specific gravity : 0.85 g/cm³

Partition coefficient (LogKow) : Testing not relevant or not possible due to nature of the product.

Auto-ignition temperature : Not available.

Decomposition temperature : Testing not relevant or not possible due to nature of the product.

Viscosity : Testing not relevant or not possible due to nature of the product.

Explosive properties : Slightly explosive in the presence of the following materials or conditions: open flames, sparks and static discharge.

Oxidising properties : Testing not relevant or not possible due to nature of the product.

9.2 Other information

Solvent(s) % by weight : Weighted average: 63 %

Water % by weight : Weighted average: 0 %

VOC content : 528.7 g/l

TOC Content : Weighted average: 448 g/l

Solvent Gas : Weighted average: 0.094 m³/l

SECTION 10: Stability and reactivity

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

The product is stable.

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

Avoid all possible sources of ignition (spark or flame).

10.5 Incompatible materials

Highly reactive or incompatible with the following materials: oxidising materials.
Reactive or incompatible with the following materials: reducing materials.

10.6 Hazardous decomposition products

When exposed to high temperatures (i.e. in case of fire) harmful decomposition products may be formed:

Decomposition products may include the following materials: carbon oxides nitrogen oxides metal oxide/oxides

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Exposure to component solvent vapor concentrations may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Solvents may cause some of the above effects by absorption through the skin. Symptoms and signs include headaches, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage. Accidental swallowing may cause stomach pain. Chemical lung inflammation may occur if the product is taken into the lungs via vomiting.

Acute toxicity

Product/ingredient name	Result	Dose / Exposure	Effects
xylene	Rabbit - Dermal - LD50	>4200 mg/kg	
	Rat - Oral - LD50	3523 mg/kg	
	Rat - Inhalation - LC50 Vapour	6350 ppm [4 hours]	
	Rat - Inhalation - LC50 Gas.	5000 ppm [4 hours]	
titanium dioxide	Rat - Oral - LD50	>5000 mg/kg	
	Rabbit - Dermal - LD50	>5000 mg/kg	
	Rat - Inhalation - LC50 Dusts and mists	>6.8 mg/l [4 hours]	
ethylbenzene	Rat - Oral - LD50	3500 mg/kg	Toxic effects: Liver - Other changes Kidney, Ureter, and Bladder - Other changes
	Rabbit - Dermal - LD50	>5000 mg/kg	
toluene	Rat - Oral - LD50	636 mg/kg	
	Rat - Inhalation - LC50 Vapour	>20 mg/l [4 hours]	
2-methoxy-1-methylethyl acetate	Rabbit - Dermal - LD50	>5 g/kg	
	Rat - Oral - LD50	8532 mg/kg	
n-butyl acetate	Rat - Oral - LD50	10768 mg/kg	
	Rabbit - Dermal - LD50	>14112 mg/kg	
	Rat - Inhalation - LC50 Vapour	>21 mg/l [4 hours]	
2-butanone oxime	Rat - Oral - LD50	930 mg/kg	
	Rabbit - Dermal - LD50	1001 mg/kg	
bis(2-ethylhexyl) phthalate	Rabbit - Dermal - LD50	25 g/kg	

Acute toxicity estimates

Route	ATE value
Oral	2630.56 mg/kg
Dermal	6203.95 mg/kg
Inhalation (vapours)	150.1 mg/l

Irritation/Corrosion

Product/ingredient name	Result	Species	Exposure
xylene	Rabbit - Eyes - Severe irritant	Duration of treatment/ exposure: 24 hours	Amount/concentration applied: 5 milligrams Duration of treatment/exposure: 24 hours
	Rabbit - Skin - Moderate irritant	Duration of treatment/ exposure: 24 hours	Amount/concentration applied: 500 milligrams Duration of treatment/exposure: 24 hours
	Rabbit - Skin - Irritant		
titanium dioxide	Human - Skin - Mild irritant	Duration of treatment/ exposure: 72 hours	Amount/concentration applied: 300 Micrograms Intermittent Duration of treatment/exposure: 72 hours
ethylbenzene	Rabbit - Skin - Mild irritant	Duration of treatment/ exposure: 24 hours	Amount/concentration applied: 15 milligrams Duration of treatment/exposure: 24 hours
	Rabbit - Respiratory - Mild irritant		
	Rabbit - Eyes - Mild irritant		
toluene	Rabbit - Eyes - Mild irritant	Duration of treatment/ exposure: 0.5 minutes	Amount/concentration applied: 100 mg Duration of treatment/exposure: 0.5 minutes
	Rabbit - Skin - Moderate irritant	Duration of treatment/ exposure: 24 hours	Amount/concentration applied: 20 mg Duration of treatment/exposure: 24 hours
2-methoxy-1-methylethyl acetate	Rabbit - Respiratory - Mild irritant		
	Rabbit - Eyes - Mild irritant		
n-butyl acetate	Rabbit - Skin - Moderate irritant	Duration of treatment/ exposure: 24 hours	Amount/concentration applied: 500 mg

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			Duration of treatment/exposure: 24 hours
	Rabbit - Eyes - Mild irritant Rabbit - Respiratory - Mild irritant		
2-butanone oxime	Rabbit - Eyes - Severe irritant		Amount/concentration applied: 100 microliters
bis(2-ethylhexyl) phthalate	Rabbit - Eyes - Mild irritant	Duration of treatment/ exposure: 24 hours	Amount/concentration applied: 500 milligrams Duration of treatment/exposure: 24 hours
	Rabbit - Skin - Mild irritant	Duration of treatment/ exposure: 24 hours	Amount/concentration applied: 500 milligrams Duration of treatment/exposure: 24 hours

Sensitiser

No known data avaliable in our database.

Mutagenic effects

No known data avaliable in our database.

Carcinogenicity

No known data avaliable in our database.

Reproductive toxicity

No known data avaliable in our database.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
solvent naphtha (petroleum), light aliph.	Category 3		Narcotic effects

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
xylene	Category 2	-	-
ethylbenzene	Category 2	-	-
toluene	Category 2	-	-
2-butanone oxime	Category 2	-	-
bis(2-ethylhexyl) phthalate	Category 2	-	-

Aspiration hazard

Product/ingredient name	Result
solvent naphtha (petroleum), light aliph.	ASPIRATION HAZARD - Category 1

Information on likely routes of exposure

Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential chronic health effects

No known significant effects or critical hazards.

Other information : No additional known significant effects or critical hazards.

SECTION 12: Ecological information

12.1 Toxicity

Do not allow to enter drains or watercourses. Harmful to aquatic life with long lasting effects.

Product/ingredient name	Result	Species	Exposure
titanium dioxide	Acute - LC50	Fish	>100 mg/l [96 hours]
	Acute - LC50	Daphnia	>100 mg/l [48 hours]
ethylbenzene	Chronic - NOEC - Fresh water	Algae - Green algae - *Pseudokirchneriella subcapitata*	<1000 µg/l [96 hours]
toluene	Chronic - NOEC - Fresh water	Daphnia - Water flea - *Daphnia magna*	1000 µg/l [21 days]
	Chronic - NOEC - Fresh water	Algae - Green algae - *Pseudokirchneriella subcapitata*	<500000 µg/l [96 hours]
2-methoxy-1-methylethyl acetate	Acute - LC50	Fish	100 - 180 mg/l [96 hours]
n-butyl acetate	Acute - EC50	Daphnia	44 mg/l [48 hours]
	Acute - EC50	Algae	648 mg/l [72 hours]

SECTION 12: Ecological information

bis(2-ethylhexyl) phthalate	Chronic - NOEC - Fresh water	Daphnia - Water flea - *Daphnia magna*	77 µg/l [21 days]

12.2 Persistence and degradability

Product/ingredient name	Test	Result
xylene		>60% [28 days] - Readily
	OECD Ready Biodegradability - Manometric Respirometry Test	90 - 98% [28 days] - Readily
ethylbenzene		>70% [28 days] - Readily
toluene		100% [14 days] - Readily
2-methoxy-1-methylethyl acetate	OECD Ready Biodegradability - Manometric Respirometry Test	83% [28 days] - Readily
	OECD Ready Biodegradability - Manometric Respirometry Test	90% [28 days] - Readily
n-butyl acetate		90% [28 days] - Readily
	OECD Ready Biodegradability - Closed Bottle Test	80% [5 days] - Readily

Product/ingredient name	Aquatic half-life	Photolysis	
xylene			Readily
ethylbenzene			Readily
toluene			Readily
2-methoxy-1-methylethyl acetate			Readily
n-butyl acetate			Readily

12.3 Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
Petroleum gases, liquefied	1.09	-	Low
xylene	3.12	8.1 - 25.9	Low
solvent naphtha (petroleum), light aliph.	-	10 - 2500	High
ethylbenzene	3.6	-	Low
toluene	2.73	90	Low
2-methoxy-1-methylethyl acetate	1.2	-	Low
n-butyl acetate	2.3	3.1	Low
2-butanone oxime	0.63	2.5 - 5.8	Low
bis(2-ethylhexyl) phthalate	7.6	1380	High

12.4 Mobility in soil

Product/ingredient name	logKoc	Koc
xylene	1.59	39
ethylbenzene	2.23	170.406
toluene	2.07	117.115
2-methoxy-1-methylethyl acetate	0.36	2.31363
n-butyl acetate	1.52	33.2139
n-hexane	2.22	165.951
2-butanone oxime	1.43	27.1042
bis(2-ethylhexyl) phthalate	4.94	86757
cobalt bis(2-ethylhexanoate)	1.82	66.4852

Mobility : No known data avaliable in our database.

Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Do not puncture or incinerate container. Residues of the product is listed as hazardous waste. Dispose of according to all state and local applicable regulations.

Packaging

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

SECTION 14: Transport information

Transport may take place according to national regulation NZS for transport by road and train, IMDG for transport by sea, IATA for transport by air.

	14.1 UN no.	14.2 Proper shipping name	14.3 Transport hazard class(es)	14.4 PG*	14.5 Env*	Additional information
NZS Class	UN1950	AEROSOLS	2 	-	No.	**Hazchem code** -
IMDG Class	UN1950	AEROSOLS	2.1 	-	No.	**Emergency schedules** F-D, S-U
IATA Class	UN1950	AEROSOLS	2.1 	-	No.	-

PG* : Packing group
Env.* : Environmental hazards

14.6 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.

14.7 Transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

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

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

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

Safety, health and environmental regulations specific for the product :

No known specific national and/or regional regulations applicable to this product (including its ingredients).

HSNO Group Standard : HSR002679

HSNO Group Standard assinged are based upon the GHS Classification.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Classification	Justification
AEROSOLS - Category 1	On basis of test data
SKIN IRRITATION - Category 2	Calculation method
EYE IRRITATION - Category 2	Calculation method
SKIN SENSITISATION - Category 1	Calculation method
CARCINOGENICITY - Category 2	Calculation method
REPRODUCTIVE TOXICITY - Category 1	Calculation method
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2	Calculation method
LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3	Calculation method

Notice to reader

SECTION 16: Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.