

TOP COAT RAL9005

Printing: 13/10/2021

Date of compilation: 2/08/2017

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Version: 3 (Replaced 2)

SECTION 1: IDENTIFICATION**1.1 Product identifier:** TOP COAT RAL9005**Other means of identification:** Non-applicable**1.2 Recommended uses and any restrictions on use or supply:**

Relevant uses: Car repair; paints and varnishes. For professional users only. Uses advised against: All uses not specified in this section or in section 7.3

1.3 Supplier's details:Spray Shop Supplies Pty Ltd
38 Cyber Loop, Dandenong South,
Victoria, Australia.

Phone.: +61 3 9799 2007

Fax: +61 9799 6568

orders@sprayshopsupplies.com.au

www.sprayshopsupplies.com.au

1.4 Emergency telephone number: (8:00-16:00)+61 3 9799 2007**SECTION 2: HAZARD IDENTIFICATION****2.1 Classification of the substance or mixture:****Hazardous Substances (Hazard Classification) Notice 2020.:**

This product was classified in accordance with Hazardous Substances (Hazard Classification) Notice 2020.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412

Carc. 2: Carcinogenicity, Category 2, H351

Flam. Liq. 3: Flammable liquids, Category 3, H226

Skin Irrit. 2: Skin irritation, Category 2, H315

Skin Sens. 1: Sensitisation, skin, Category 1, H317

STOT RE 2: Specific target organ toxicity if swallowed, repeated exposure, Category 2, H373

2.2 Label elements, including precautionary statements:**Hazardous Substances (Hazard Classification) Notice 2020.:****Warning****Hazard statements:**

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

Carc. 2: H351 - Suspected of causing cancer.

Flam. Liq. 3: H226 - Flammable liquid and vapour.

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1: H317 - May cause an allergic skin reaction.

STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral). **Precautionary statements:**

P201: Obtain special instructions before use.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280: Wear protective gloves/protective clothing/eye protection.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P308+P313: IF exposed or concerned: Get medical advice/attention.

P370+P378: In case of fire: Use ABC powder extinguisher to put it out.

P403+P235: Store in a well-ventilated place. Keep cool.

P501: Dispose of contents and / or containers in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

Substances that contribute to the classification

Xylene (5 - <10 %); Ethylbenzene (2,5 - <5 %); Methyl methacrylate (<1 %); Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (<1 %)

2.3 Other hazards which do not result in classification:**SECTION 2: HAZARD IDENTIFICATION (continued)**

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Non-applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:

Non-applicable

3.2 Mixtures:**Chemical description:** Mixture composed of chemical products**Components:**

In accordance with Part B: Concentration cut-offs for ingredients in mixtures for purpose of section 3 of Consolidated Hazardous Substances (Safety Data Sheets) Notice 2017, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 13463-67-7	Titanium dioxide (aerodynamic diameter \leq 10 μm) Carc. 2: H351 - Warning	10 - <25 %
CAS: 1330-20-7	Xylene Acute Tox. 4: H312+H332; Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H335 - Danger	5 - <10 %
CAS: 64742-95-6	Hydrocarbons, C9, aromatics Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H335; STOT SE 3: H336 - Danger	5 - <10 %
CAS: 123-86-4	N-butyl acetate Flam. Liq. 3: H226; STOT SE 3: H336 - Warning	5 - <10 %
CAS: 108-65-6	2-methoxy-1-methylethyl acetate Flam. Liq. 3: H226 - Warning	5 - <10 %
CAS: 100-41-4	Ethylbenzene Acute Tox. 4: H332; Carc. 2: H351; Flam. Liq. 2: H225 - Danger	2,5 - <5 %
CAS: 108-38-3	m-xylene Acute Tox. 4: H312+H332; Flam. Liq. 3: H226; Skin Irrit. 2: H315 - Warning	2,5 - <5 %
CAS: 106-42-3	p-xylene Acute Tox. 4: H312+H332; Flam. Liq. 3: H226; Skin Irrit. 2: H315 - Warning	2,5 - <5 %
CAS: 80-62-6	Methyl methacrylate Flam. Liq. 2: H225; Skin Irrit. 2: H315; Skin Sens. 1: H317; STOT SE 3: H335 - Danger	<1 %
CAS: 41556-26-7	Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Flam. Liq. 4: H227; Skin Sens. 1: H317 - Warning	<1 %
CAS: 82919-37-7	Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Sens. 1: H317 - Warning	<1 %

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST-AID MEASURES

4.1 First aid instructions according to each relevant route of exposure;:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product. **By inhalation:**

This product is not classified as hazardous through inhalation, however, it is recommended in case of intoxication symptoms to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

SECTION 4: FIRST-AID MEASURES (continued)

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Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product. **By ingestion/aspiration:**

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of medical attention and its urgency:

Non-applicable

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Information on the appropriate type of extinguishers or fire-fighting agents:**Appropriate type of extinguishers or fire-fighting agents:**

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO₂).

Inappropriate type of extinguishers or fire-fighting agents:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Advice on specific hazards that may arise from the substance:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Special protective equipment and precautions for fire-fighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) **Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:**For non-emergency personnel:**

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8).

Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

See section 8.

6.2 Environmental precautions from accidental spills and release:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Advice on how to contain and clean up a spill or release: It is

recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections: See

sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

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7.1 Precautions for safe handling: A.-

Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems and with the minimum requirements for protecting the security and health of workers. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 15 °C

Maximum Temp.: 25 °C

Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Occupational exposure limits:**

Substances whose workplace exposure standards (WES) have to be monitored in the work environment:

Workplace exposure standards (WES) and biological exposure indices, Edition 12-1:

Identification	Occupational exposure limits		
	TWA	STEL	Biological exposure indices
Titanium dioxide (aerodynamic diameter ≤ 10 µm) CAS: 13463-67-7			10 mg/m ³
Xylene CAS: 1330-20-7	50 ppm		217 mg/m ³
Hydrocarbons, C9, aromatics CAS: 64742-95-6	400 ppm		1600 mg/m ³
N-butyl acetate CAS: 123-86-4	150 ppm	200 ppm	713 mg/m ³ 950 mg/m ³
Ethylbenzene CAS: 100-41-4	100 ppm	125 ppm	434 mg/m ³ 543 mg/m ³
m-xylene CAS: 108-38-3	50 ppm		217 mg/m ³
p-xylene CAS: 106-42-3	50 ppm		217 mg/m ³
Methyl methacrylate CAS: 80-62-6	50 ppm	100 ppm	208 mg/m ³ 416 mg/m ³

8.2 Engineering controls:

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A.- Identification of the specific types of personal protective equipment

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As a preventative measure it is recommended to use basic Personal Protection Equipment. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.


B.- Respiratory protection

Pictogram	PPE	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours (Filter type: A)	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.
 Compulsory use of face mask	Filter mask for particles (Filter type: FFP3)	Replace when an increase in resistance to breathing is observed.



C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	NON-disposable chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.4 mm)	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin.



As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application. D.- Ocular and facial protection

Pictogram	PPE	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Bodily protection

Pictogram	PPE	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties	For professional use only. Clean periodically according to the manufacturer's instructions.
 Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties	Replace boots at any sign of deterioration.

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Viscous
Colour:	According to the markings on the package
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Initial boiling point and boiling range:	141 °C
Vapour pressure at 20 °C:	666 Pa
Vapour pressure at 50 °C:	3476.55 Pa (3.48 kPa)
Evaporation rate at 20 °C:	Non-applicable *

Product description:

Density at 20 °C:	1200 - 1300 kg/m ³
Relative density at 20 °C:	Non-applicable *
Dynamic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 40 °C:	>20.5 mm ² /s
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20 °C:	Non-applicable *
Partition coefficient n-octanol/water 20 °C:	Non-applicable *
Solubility in water at 20 °C:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	30 °C
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	315 °C
Lower flammability limit:	Not available
Upper flammability limit:	Not available

Particle characteristics:

Median equivalent diameter:	Non-applicable
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9.2 Other information:**Information with regard to physical hazard classes:**

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable
* Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable Non-applicable * components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 °C:	Non-applicable *
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*Not relevant due to the nature of the product, not providing information property of its hazards.

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Refraction index: Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Chemical reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 List of conditions to avoid or prevent a hazardous situation: Applicable

for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

10.5 Information on incompatible substances or materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 InfSee subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:The experimental information related to the toxicological properties of the product itself is not available **Dangerous****health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure: A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for inhalation. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Based on available data, the classification criteria are not met, however it does contain substances classified as dangerous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

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- Carcinogenicity: Exposure to this product can cause cancer. For more specific information on the possible health effects see section 2.

IARC: Hydrocarbons, C9, aromatics (3); Ethylbenzene (2B); Xylene (3); Methyl methacrylate (3); Titanium dioxide (aerodynamic diameter $\leq 10 \mu\text{m}$) (2B); Solvent naphtha (petroleum), light arom., $< 0.1 \%$ EC 200-753-7 (3); m-xylene (3); p

-xylene (3)

- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3. E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.

- Cutaneous: Prolonged contact with the skin can result in episodes of allergic contact dermatitis. F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for inhalation. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Exposure in high concentration can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3. H- Aspiration hazard:

Based on available data, the classification criteria are not met, however it does contain substances classified as dangerous for this effect. For more information see section 3. **Other information:**

CAS 13463-67-7 Titanium dioxide (aerodynamic diameter $\leq 10 \mu\text{m}$): The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter $\leq 10 \mu\text{m}$

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
	Route	Toxicity	
N-butyl acetate CAS: 123-86-4	LD50 oral	12789 mg/kg	Rat
	LD50 dermal	14112 mg/kg	Rabbit
	LC50 inhalation	23.4 mg/L (4 h)	Rat
Hydrocarbons, C9, aromatics CAS: 64742-95-6	LD50 oral	>5000 mg/kg	
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L (4 h)	
Ethylbenzene CAS: 100-41-4	LD50 oral	3500 mg/kg	Rat
	LD50 dermal	15354 mg/kg	Rabbit
	LC50 inhalation	17.2 mg/L (4 h)	Rat
Xylene CAS: 1330-20-7	LD50 oral	2100 mg/kg	Rat
	LD50 dermal	1100 mg/kg	Rat
	LC50 inhalation	11 mg/L (4 h) (ATEi)	
2-methoxy-1-methylethyl acetate CAS: 108-65-6	LD50 oral	8532 mg/kg	Rat
	LD50 dermal	5100 mg/kg	Rat
	LC50 inhalation	30 mg/L (4 h)	Rat
Titanium dioxide (aerodynamic diameter $\leq 10 \mu\text{m}$) CAS: 13463-67-7	LD50 oral	10000 mg/kg	Rat
	LD50 dermal	10000 mg/kg	Rabbit
	LC50 inhalation	>5 mg/L (4 h)	
m-xylene CAS: 108-38-3	LD50 oral	1590 mg/kg	Mouse
	LD50 dermal	1100 mg/kg (ATEi)	
	LC50 inhalation	11 mg/L (4 h) (ATEi)	

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Identification	Acute toxicity		Genus
	LD50	LC50	
p-xylene CAS: 106-42-3	oral	1590 mg/kg	Mouse
	dermal	1100 mg/kg (ATEi)	
	inhalation	11 mg/L (4 h) (ATEi)	
Methyl methacrylate CAS: 80-62-6	oral	>5000 mg/kg	
	dermal	>5000 mg/kg	
	inhalation	>20 mg/L	
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate CAS: 41556-26-7	oral	2615 mg/kg	Rat
	dermal	>5000 mg/kg	
	inhalation	>20 mg/L	
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 82919-37-7	oral	>5000 mg/kg	
	dermal	>5000 mg/kg	
	inhalation	>5 mg/L	

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Ecotoxicity (aquatic and terrestrial):

Acute toxicity:

Identification	Concentration	Species	Genus
Xylene CAS: 1330-20-7	>10 - 100 (96 h)		Fish
	>10 - 100 (48 h)		Crustacean
	>10 - 100 (72 h)		Algae
Hydrocarbons, C9, aromatics CAS: 64742-95-6	>1 - 10 (96 h)		Fish
	>1 - 10 (48 h)		Crustacean
	>1 - 10 (72 h)		Algae
N-butyl acetate CAS: 123-86-4	Non-applicable		
	Non-applicable		
	675 mg/L (72 h)	Scenedesmus subspicatus	Algae
2-methoxy-1-methylethyl acetate CAS: 108-65-6	161 mg/L (96 h)	Pimephales promelas	Fish
	481 mg/L (48 h)	Daphnia sp.	Crustacean
	Non-applicable		
Ethylbenzene CAS: 100-41-4	42.3 mg/L (96 h)	Pimephales promelas	Fish
	75 mg/L (48 h)	Daphnia magna	Crustacean
	63 mg/L (3 h)	Chlorella vulgaris	Algae

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Identification	Concentration		Species	Genus
m-xylene CAS: 108-38-3	LC50	16 mg/L (96 h)	Carassius auratus	Fish
	EC50	9.56 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	Non-applicable		
p-xylene CAS: 106-42-3	LC50	2.6 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50	8.5 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	Non-applicable		
Methyl methacrylate CAS: 80-62-6	LC50	191 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	69 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	170 mg/L (96 h)	Selenastrum capricornutum	Algae
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate CAS: 41556-26-7	LC50	0.97 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	20 mg/L (24 h)	Daphnia magna	Crustacean
	EC50	Non-applicable		
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 82919-37-7	LC50	>0.1 - 1 (96 h)		Fish
	EC50	>0.1 - 1 (48 h)		Crustacean
	EC50	>0.1 - 1 (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Xylene CAS: 1330-20-7	NOEC	1.3 mg/L	Oncorhynchus mykiss	Fish
	NOEC	1.17 mg/L	Ceriodaphnia dubia	Crustacean
N-butyl acetate CAS: 123-86-4	NOEC	Non-applicable		
	NOEC	23.2 mg/L	Daphnia magna	Crustacean
2-methoxy-1-methylethyl acetate CAS: 108-65-6	NOEC	47.5 mg/L	Oryzias latipes	Fish
	NOEC	100 mg/L	Daphnia magna	Crustacean
Ethylbenzene CAS: 100-41-4	NOEC	Non-applicable		
	NOEC	0.96 mg/L	Ceriodaphnia dubia	Crustacean
m-xylene CAS: 108-38-3	NOEC	0.714 mg/L	Danio rerio	Fish
	NOEC	1.57 mg/L	Daphnia magna	Crustacean
p-xylene CAS: 106-42-3	NOEC	0.714 mg/L	Danio rerio	Fish
	NOEC	1.57 mg/L	Daphnia magna	Crustacean
Methyl methacrylate CAS: 80-62-6	NOEC	9.4 mg/L	Danio rerio	Fish
	NOEC	37 mg/L	Daphnia magna	Crustacean
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 82919-37-7	NOEC	Non-applicable		
	NOEC	1 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

SECTION 12: ECOLOGICAL INFORMATION (continued)

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Identification	Degradability		Biodegradability	
Xylene CAS: 1330-20-7	BOD5	Non-applicable	Concentration	Non-applicable
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	88 %
N-butyl acetate CAS: 123-86-4	BOD5	Non-applicable	Concentration	Non-applicable
	COD	Non-applicable	Period	5 days
	BOD5/COD	Non-applicable	% Biodegradable	84 %
2-methoxy-1-methylethyl acetate CAS: 108-65-6	BOD5	Non-applicable	Concentration	785 mg/L
	COD	Non-applicable	Period	8 days
	BOD5/COD	Non-applicable	% Biodegradable	100 %
Ethylbenzene CAS: 100-41-4	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	14 days
	BOD5/COD	Non-applicable	% Biodegradable	90 %
Methyl methacrylate CAS: 80-62-6	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	14 days
	BOD5/COD	Non-applicable	% Biodegradable	94.3 %

12.3 Potential to be bioaccumulative:

Identification	Bioaccumulation potential	
Xylene CAS: 1330-20-7	BCF	9
	Pow Log	2.77
	Potential	Low
N-butyl acetate CAS: 123-86-4	BCF	4
	Pow Log	1.78
	Potential	Low
2-methoxy-1-methylethyl acetate CAS: 108-65-6	BCF	1
	Pow Log	0.43
	Potential	Low
Ethylbenzene CAS: 100-41-4	BCF	1
	Pow Log	3.15
	Potential	Low
m-xylene CAS: 108-38-3	BCF	15
	Pow Log	3.2
	Potential	Low
p-xylene CAS: 106-42-3	BCF	15
	Pow Log	3.15
	Potential	Low

SECTION 12: ECOLOGICAL INFORMATION (continued)

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Identification		Bioaccumulation potential	
Methyl methacrylate		BCF	7
CAS: 80-62-6		Pow Log	1.38
		Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
	Koc		Henry	
Xylene CAS: 1330-20-7	Koc	202	Henry	524.86 Pa·m ³ /mol
	Conclusion	Moderate	Dry soil	Yes
	Surface tension	Non-applicable	Moist soil	Yes
N-butyl acetate CAS: 123-86-4	Koc	Non-applicable	Henry	Non-applicable
	Conclusion	Non-applicable	Dry soil	Non-applicable
	Surface tension	2.478E-2 N/m (25 °C)	Moist soil	Non-applicable
Ethylbenzene CAS: 100-41-4	Koc	520	Henry	798.44 Pa·m ³ /mol
	Conclusion	Moderate	Dry soil	Yes
	Surface tension	2.859E-2 N/m (25 °C)	Moist soil	Yes
m-xylene CAS: 108-38-3	Koc	182	Henry	790.34 Pa·m ³ /mol
	Conclusion	Moderate	Dry soil	Yes
	Surface tension	2.826E-2 N/m (25 °C)	Moist soil	Yes
p-xylene CAS: 106-42-3	Koc	540	Henry	699.14 Pa·m ³ /mol
	Conclusion	Low	Dry soil	Yes
	Surface tension	2.792E-2 N/m (25 °C)	Moist soil	Yes
Methyl methacrylate CAS: 80-62-6	Koc	Non-applicable	Henry	Non-applicable
	Conclusion	Non-applicable	Dry soil	Non-applicable
	Surface tension	2.551E-2 N/m (25 °C)	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment: Non-applicable

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Appropriate and achievable disposal methods:****Special precautions to be taken during disposal:**

Consult the authorized waste service manager on the assessment and disposal operations. In case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommend disposal down the drain. See epigraph 6.2. **Regulations related to waste management:**

Legislation related to waste management:

Consolidated Imports and Exports (Restrictions) Prohibition Order (No 2) 2004

Consolidated Hazardous Substances (Disposal) Notice 2017

SECTION 14: TRANSPORT INFORMATION

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Transport of dangerous goods by land:

With regard to NZS 5433.1:2012 Transport of dangerous goods on land

SECTION 14: TRANSPORT INFORMATION (continued)



14.1 UN number:	UN1263
14.2 UN proper shipping name:	PAINT
14.3 UN dangerous goods class and subsidiary risk: Labels:	3
14.4 UN Packing Group:	III
14.5 Environmental hazards:	No
14.6 Special precautions for user Physico-Chemical properties:	see section 9 Non-applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	

Transport of dangerous goods by sea:

With regard to IMDG 39-18:



14.1 UN number:	UN1263
14.2 UN proper shipping name:	PAINT
14.3 UN dangerous goods class and subsidiary risk: Labels:	3
14.4 UN Packing Group:	III
14.5 Marine pollutant:	No
14.6 Special precautions for user Special regulations: EmS Codes: Physico-Chemical properties: Limited quantities: Segregation group:	223, 955, 163, 367 F-E, S-E see section 9
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	5 L Non-applicable Non-applicable

Transport of dangerous goods by air:

With regard to IATA/ICAO 2021:



14.1 UN number:	UN1263
14.2 UN proper shipping name:	PAINT
14.3 UN dangerous goods class and subsidiary risk: Labels:	3
14.4 UN Packing Group:	III
14.5 Environmental hazards:	No
14.6 Special precautions for user Physico-Chemical properties:	see section 9 Non-applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	

SECTION 15: REGULATORY INFORMATION

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15.1 Safety, health and environmental regulations specific for the product in question: Substances

listed in the Montreal Protocol: Non-applicable

Substances listed in the Stockholm Convention: Non-applicable

Substances listed in the Rotterdam Convention: Non-applicable

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

SECTION 15: REGULATORY INFORMATION (continued)**Relevant regulatory requirements:**

Health and Safety at Work (Hazardous Substances) Regulations 2017

Health and Safety at Work Act 2015

Consolidated Hazardous Substances (Labelling) Notice 2017

Consolidated Hazardous Substances (Packaging) Notice 2017

Consolidated Hazardous Substances (Hazardous Property Controls) Notice 2017

Consolidated Hazardous Substances (Importers and Manufacturers) Notice 2015

SECTION 16: OTHER INFORMATION

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Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with Schedule: Content and format of safety data sheets (clause 7) of Consolidated Hazardous Substances (Safety Data Sheets) Notice 2017 **Texts of the legislative phrases mentioned in section 2:**

H412: Harmful to aquatic life with long lasting effects.

H351: Suspected of causing cancer.

H315: Causes skin irritation.

H373: May cause damage to organs through prolonged or repeated exposure (Oral).

H317: May cause an allergic skin reaction. H226:

Flammable liquid and vapour.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

Hazardous Substances (Hazard Classification) Notice 2020.:

Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.

Acute Tox. 4: H332 - Harmful if inhaled.

Aquatic Acute 1: H400 - Very toxic to aquatic life.

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.

Carc. 2: H351 - Suspected of causing cancer (Inhalation).

Carc. 2: H351 - Suspected of causing cancer.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Flam. Liq. 2: H225 - Highly flammable liquid and vapour.

Flam. Liq. 3: H226 - Flammable liquid and vapour.

Flam. Liq. 4: H227 - Combustible liquid.

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1: H317 - May cause an allergic skin reaction.

STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

STOT SE 3: H335 - May cause respiratory irritation.

STOT SE 3: H336 - May cause drowsiness or dizziness. **Advice**

related to training:

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product. **Principal bibliographical**

sources: <https://www.epa.govt.nz/>

Abbreviations and acronyms:

HSNO Act: Hazardous substances and new organisms Act

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5-day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

CL50: Lethal Concentration 50

EC50: Effective concentration 50

Log-POW: Octanol-water partition coefficient

Koc: Partition coefficient of organic carbon

IARC: International Agency for Research on Cancer

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The information contained in this safety data sheet is based on sources, technical knowledge and current legislation, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

END OF SAFETY DATA SHEET