

## SAFETY DATA SHEET

### Section 1. Identification

**Product identifier** : RRUC/AL  
**Product name** : RAPTOR RUBBERISED UNDERCOATING (BLACK)  
**Date of issue** : 6 May 2026  
**Version** : 3

#### 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.

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### Section 2. Hazard(s) identification

Classified as **HAZARDOUS** according to the GHS criteria under Australian Work Health Safety (WHS) Act 2011.

Classified as **DANGEROUS GOODS** according to the Australian Dangerous Goods (ADG).

**Classification of the substance or mixture** : AEROSOLS - Category 1  
SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A  
REPRODUCTIVE TOXICITY - Category 1  
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Narcotic effects) - Category 3

#### GHS label elements

**Hazard pictograms** :



**Signal word** : **DANGER**

## Section 2. Hazard(s) identification

**Hazard statements** : H222, H229 - Extremely flammable aerosol. Pressurised container: may burst if heated.  
 H319 - Causes serious eye irritation.  
 H336 - May cause drowsiness or dizziness.  
 H360 - May damage fertility or the unborn child.

### Precautionary statements

**Prevention** : P201 - Obtain special instructions before use.  
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P211 - Do not spray on an open flame or other ignition source.  
 P261 - Avoid breathing dust or mist.  
 P251 - Do not pierce or burn, even after use.  
 P280 - Wear protective gloves, protective clothing and eye or face protection.

**Response** : P308 + P313 - IF exposed or concerned: Get medical advice or attention.  
 P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell.  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337 + P313 - If eye irritation persists: Get medical advice or attention.

**Storage** : P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
 P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.

**Disposal** : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Supplemental label elements** : Not applicable.

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

## Section 3. Composition and ingredient information

**Substance/mixture** : Mixture

Ingredient name	% (w/w)	CAS number
methyl acetate	30 - <60	79-20-9
dimethyl ether	30 - <60	115-10-6
acetone	10 - <30	67-64-1
toluene	5 - <10	108-88-3
Limestone	3 - <5	1317-65-3
trizinc bis(orthophosphate)	1 - <3	7779-90-0

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.**

**The total concentration of ingredients in this product, reported or not in this section, is 100%.**

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

## Section 4. First aid measures

### Description of necessary first aid measures

- 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.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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 necessary, call a poison center or physician. 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** : Flush contaminated skin with plenty of 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. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- 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. If necessary, call a poison center or physician. 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.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : Can cause central nervous system (CNS) depression.

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing  
nausea or vomiting  
headache  
drowsiness/fatigue  
dizziness/vertigo  
unconsciousness  
reduced foetal weight  
increase in foetal deaths  
skeletal malformations

## Section 4. First aid measures

- Skin contact** : 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

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

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- 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.

See toxicological information (Section 11)

## Section 5. Firefighting measures

### **Extinguishing media**

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

**Specific hazards arising from the chemical** : 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.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
phosphorus oxides  
metal oxide/oxides

**Special protective actions 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.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : 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).

### 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. Absorb with an inert 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. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. 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.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Pressurised container: protect from sunlight and do not expose to temperature exceeding 50°C. Do not pierce or burn, even after use. 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 ingest. Avoid breathing gas. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. Empty containers retain product residue and can be hazardous.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

## Section 7. Handling and storage

**Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store away 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. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls and personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
methyl acetate	<b>Safe Work Australia (Australia, 1/2024)</b> STEL 15 minutes: 757 mg/m <sup>3</sup> . STEL 15 minutes: 250 ppm. TWA 8 hours: 606 mg/m <sup>3</sup> . TWA 8 hours: 200 ppm.
dimethyl ether	<b>Safe Work Australia (Australia, 1/2024)</b> TWA 8 hours: 400 ppm. TWA 8 hours: 760 mg/m <sup>3</sup> . STEL 15 minutes: 500 ppm. STEL 15 minutes: 950 mg/m <sup>3</sup> .
acetone	<b>Safe Work Australia (Australia, 1/2024)</b> STEL 15 minutes: 2375 mg/m <sup>3</sup> . STEL 15 minutes: 1000 ppm. TWA 8 hours: 1185 mg/m <sup>3</sup> . TWA 8 hours: 500 ppm.
toluene	<b>Safe Work Australia (Australia, 1/2024)</b> Absorbed through skin. STEL 15 minutes: 574 mg/m <sup>3</sup> . STEL 15 minutes: 150 ppm. TWA 8 hours: 191 mg/m <sup>3</sup> . TWA 8 hours: 50 ppm.
Limestone	<b>EH40/2005 WELs (United Kingdom (UK), 1/2020)</b> <b>[limestone]</b> TWA 8 hours: 10 mg/m <sup>3</sup> . Form: total inhalable. TWA 8 hours: 4 mg/m <sup>3</sup> . Form: respirable. <b>EH40/2005 WELs (United Kingdom (UK), 1/2020)</b> <b>[calcium carbonate]</b> TWA 8 hours: 10 mg/m <sup>3</sup> . Form: inhalable dust. TWA 8 hours: 4 mg/m <sup>3</sup> . Form: respirable dust.
trizinc bis(orthophosphate)	<b>DFG MAC-values list (Germany, 7/2024) [Zinc and its inorganic compounds]</b> Develop C. PEAK 15 minutes: 0.4 mg/m <sup>3</sup> 4 times per shift [Interval: 1 hour]. Form: respirable fraction. TWA 8 hours: 2 mg/m <sup>3</sup> . Form: inhalable fraction. TWA 8 hours: 0.1 mg/m <sup>3</sup> . Form: respirable fraction. PEAK 15 minutes: 4 mg/m <sup>3</sup> 4 times per shift [Interval: 1 hour]. Form: inhalable fraction.

### Biological exposure indices

No exposure indices known.

## Section 8. Exposure controls and personal protection

- 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.
- 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. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- 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.
- Skin protection**
- 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.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
- Other 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.
- 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.

## Section 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid.
- Colour** : Black.
- Odour** : Not available.
- Odour threshold** : Not available.
- pH** : Not applicable.
- Melting point** : Technically not possible to measure

## Section 9. Physical and chemical properties

<b>Boiling point</b>	: Not applicable.
<b>Flash point</b>	: Closed cup: -41°C (-41.8°F)
<b>Evaporation rate</b>	: Not available.
<b>Flammability (solid, gas)</b>	: Not available.
<b>Lower and upper explosive (flammable) limits</b>	: Lower: 1.1% Upper: 26.2%
<b>Vapour pressure</b>	: 164 kPa (1229.79 mm Hg)
<b>Vapour density</b>	: Not available.
<b>Density</b>	: 0.855 g/cm <sup>3</sup>
<b>Solubility(ies)</b>	: Not available.
<b>Partition coefficient: n-octanol/water</b>	: Not applicable.
<b>Auto-ignition temperature</b>	: 350°C (662°F)
<b>Decomposition temperature</b>	: Not applicable.
<b>Viscosity</b>	: Dynamic (room temperature): Not available. Kinematic (room temperature): Not available. Kinematic (40°C (104°F)): Not available.
<b>Flow time (ISO 2431)</b>	: Not available.

### Aerosol product

<b>Type of aerosol</b>	: Spray
<b>Heat of combustion</b>	: 23.25 kJ/g

## Section 10. Stability and reactivity

<b>Reactivity</b>	: No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	: The product is stable.
<b>Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: Avoid all possible sources of ignition (spark or flame).
<b>Incompatible materials</b>	: No specific data.
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result
methyl acetate	<b>Rat - Oral - LD50</b> >5 g/kg
-	<b>Rabbit - Dermal - LD50</b> >5 g/kg
dimethyl ether	<b>Rat - Oral - LD50</b> >99999 mg/kg
-	<b>Rat - Dermal - LD50</b> >99999 mg/kg
-	<b>Rat - Inhalation - LC50 Vapour</b> 309 g/m <sup>3</sup> [4 hours]
-	<b>Rat - Inhalation - LC50 Gas.</b> 164000 ppm [4 hours] <u>Toxic effects:</u> Behavioral - Ataxia Behavioral - Coma
acetone	<b>Rat - Oral - LD50</b> 5800 mg/kg <u>Toxic effects:</u> Behavioral - Altered sleep time (including change in righting reflex) Behavioral - Tremor
-	<b>Rabbit - Dermal - LD50</b> 2001 mg/kg
-	<b>Rat - Inhalation - LC50 Vapour</b> 21 mg/l [4 hours]
toluene	<b>Rat - Dermal - TDLo</b> 26.4 mg/kg <u>Toxic effects:</u> Skin After systemic exposure - Dermatitis, irritative Metabolism (intermediary) - Effect on inflammation or mediation of inflammation
-	<b>Rat - Oral - LD50</b> 5001 mg/kg
-	<b>Rat - Dermal - LD50</b> 5001 mg/kg
-	<b>Rat - Inhalation - LC50 Vapour</b> 49 g/m <sup>3</sup> [4 hours]
Limestone	<b>Rat - Oral - LD50</b> 6450 mg/kg

#### Skin corrosion/irritation

Product/ingredient name	Result
methyl acetate	<b>Rabbit - Skin - Mild irritant</b> <u>Duration of treatment/exposure:</u> 24 hours <u>Amount/concentration applied:</u> 500 mg
-	<b>Rabbit - Skin - Moderate irritant</b> <u>Duration of treatment/exposure:</u> 24 hours <u>Amount/concentration applied:</u> 20 mg
acetone	<b>Rabbit - Skin - Mild irritant</b> <u>Duration of treatment/exposure:</u> 24 hours <u>Amount/concentration applied:</u> 500 mg
-	<b>Rabbit - Skin - Mild irritant</b> <u>Amount/concentration applied:</u> 395 mg
toluene	<b>Pig - Skin - Mild irritant</b>

## Section 11. Toxicological information

-  
 Duration of treatment/exposure: 24 hours  
 Amount/concentration applied: 250 uL  
**Rabbit - Skin - Mild irritant**  
 Amount/concentration applied: 435 mg

### Serious eye damage/eye irritation

#### **Product/ingredient name**

methyl acetate

acetone

-  
 -  
 -  
 -  
 toluene

#### **Result**

**Rabbit - Eyes - Moderate irritant**

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 100 mg

**Human - Eyes - Mild irritant**

Amount/concentration applied: 186300 ppm

**Rabbit - Eyes - Mild irritant**

Amount/concentration applied: 10 uL

**Rabbit - Eyes - Moderate irritant**

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 20 mg

**Rabbit - Eyes - Severe irritant**

Amount/concentration applied: 20 mg

**Rabbit - Eyes - Severe irritant**

Amount/concentration applied: 0.1 MI

### Respiratory corrosion/irritation

Not available.

### Respiratory or skin sensitization

Not available.

### Germ cell mutagenicity

Not available.

### Carcinogenicity

Not available.

### Reproductive toxicity

Not available.

### Specific target organ toxicity (single exposure)

#### **Product/ingredient name**

methyl acetate

acetone

toluene

#### **Result**

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Narcotic effects) - Category 3

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Narcotic effects) - Category 3

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Narcotic effects) - Category 3

### Specific target organ toxicity (repeated exposure)

#### **Product/ingredient name**

#### **Result**

## Section 11. Toxicological information

toluene

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2

### Aspiration hazard

**Product/ingredient name****Result**

toluene

ASPIRATION HAZARD - Category 1

### Information on likely routes of exposure

Not available.

### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : Can cause central nervous system (CNS) depression.

### Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing  
nausea or vomiting  
headache  
drowsiness/fatigue  
dizziness/vertigo  
unconsciousness  
reduced foetal weight  
increase in foetal deaths  
skeletal malformations
- Skin contact** : 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

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

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

## Section 11. Toxicological information

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

Not available.

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Reproductive toxicity** : May damage fertility or the unborn child.

### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result
methyl acetate	<b>Acute - LC50 - Fresh water</b> Fish - Fathead minnow - <i>Pimephales promelas</i> <u>Age</u> : 28 to 32 days; <u>Size</u> : 17.5 mm; <u>Weight</u> : 0.087 g 320 mg/l [96 hours] <u>Effect</u> : Mortality
acetone	<b>Acute - LC50 - Fresh water</b> Daphnia - Water flea - <i>Daphnia magna</i> 10 mg/l [48 hours] <u>Effect</u> : Mortality
-	<b>Chronic - NOEC - Marine water</b> Algae - Green algae - <i>Ulva pertusa</i> 4.95 mg/l [96 hours] <u>Effect</u> : Reproduction
-	<b>Acute - EC50 - Marine water</b> Algae - Green algae - <i>Ulva pertusa</i> 20.565 mg/l [96 hours] <u>Effect</u> : Reproduction
-	<b>Chronic - NOEC - Fresh water</b> Crustaceans - Daphnia - <i>Daphniidae</i> 0.016 ml/l [21 days] <u>Effect</u> : Population
-	<b>Acute - LC50 - Fresh water</b> Fish - Guppy - <i>Poecilia reticulata</i> <u>Age</u> : 4 to 12 months; <u>Size</u> : 2 to 10 cm; <u>Weight</u> : 0.5 to 14 g 5600 ppm [96 hours] <u>Effect</u> : Mortality
toluene	<b>Acute - LC50 - Fresh water</b> Fish - Coho salmon, silver salmon - <i>Oncorhynchus kisutch</i> - Fry <u>Weight</u> : 1 g 5500 µg/l [96 hours] <u>Effect</u> : Mortality

## Section 12. Ecological information

- **Acute - EC50 - Fresh water**  
Daphnia - Water flea - *Daphnia magna* - Juvenile (Fledgling, Hatchling, Weanling)  
6000 µg/l [48 hours]  
Effect: Intoxication
- **Chronic - NOEC - Fresh water**  
Daphnia - Water flea - *Daphnia magna*  
Age: ≤24 hours  
1 mg/l [21 days]  
Effect: Mortality
- **Acute - EC50 - Fresh water**  
Algae - Green algae - *Raphidocelis subcapitata*  
12.5 mg/l [72 hours]  
Effect: Growth

### Persistence and degradability

Not available.

#### **Ingredient name**

toluene

#### **Conclusion/Summary**

ECHA: toluene is readily biodegraded by both non-adapted and adapted sewage sludge inocula. Three of these studies were also used as part of a weight of evidence that toluene is readily biodegradable in the EU RAR for toluene (2003).

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
toluene	-	-	Readily

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
methyl acetate	0.18	-	Low
dimethyl ether	0.07	-	Low
acetone	-0.23	-	Low
toluene	2.73	90	Low
trizinc bis(orthophosphate)	-	60960	High

### Mobility in soil

**Soil/water partition coefficient** : 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. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

## Section 14. Transport information

	ADG	IMDG	IATA
<b>UN number</b>	UN1950	UN1950	UN1950
<b>UN proper shipping name</b>	AEROSOLS	AEROSOLS	Aerosols, flammable
<b>Transport hazard class(es)</b>	2.1 	2.1 	2.1 
<b>Packing group</b>	-	-	-
<b>Environmental hazards</b>	No.	No.	No.

### Additional information

**Hazchem code** : Not available.

**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.

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

### Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

## Section 16. Any other relevant information

### History

**Date of issue** : 6 May 2026

### **Key to abbreviations**

: ACGIH = Association Advancing Occupational and Environmental Health  
ADG = Australian Dangerous Goods  
ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
DFG = Deutsche Forschungsgemeinschaft, German research funding organization  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MAK value = Maximum Permissible Concentration  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
STEL = Short-Term Exposure Limit  
TLV = Threshold Limit Value  
TWA = Time-Weighted Average

▣ Indicates information that has changed from previously issued version.

### Notice to reader

**This product is intended for industrial use only.**

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