



SAFETY DATA SHEET

Juice Rapid Wash and Wax

According to *Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice*, 2011

SECTION 1: Identification: Product Identifier and Chemical Identity

Product Identifier

Product name Juice Rapid Wash and Wax
Product no. JPRWW500

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

Application Car maintenance product - Auto shampoo
Uses advised against For professional use only. This product is not recommended for any other industrial, professional or consumer use other than specified above.

Details of the supplier of the Safety Data Sheet

Supplier Sydney Automotive Paint and Equipment Pty Ltd
Unit A3, 366 Edgar Street
Condell Park
NSW 2200
Australia
Tel: +61 2 9772 9000
Email: reception@sape.com.au
www.juicepolishes.com.au
www.sape.com.au

NZ Distributor Resene Automotive & Light Industrial
4 Te Apunga Place
Sylvia Park
Auckland
NZ 1641
Tel: +64 9 259 2738
www.resene.co.nz

Emergency Information

Emergency telephone NZ Poison Information Centre 0800 764 766 or +64 3 479 7248
General medical information +61 2 9772 9000 (Mon to Fri, 08:00-16:00 AEST)
Transport information +61 2 9772 9000 (Mon to Fri, 08:00-16:00 AEST)

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SECTION 2: Hazard(s) Identification

Classification of the substance or mixture

Physical and health hazards Classified as hazardous according to New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations, 2001

Not classified as a dangerous good according to NZS 5433:2012, Transport of Dangerous Goods on Land, UN, IMDG and IATA.

HSNO Classification Substances that are irritating to the skin Category 6.3A
 Substances that are corrosive to ocular tissue Category 8.3A

Environmental hazards Substances that are harmful in the aquatic environment Category 9.1C

Label elements

GHS hazard symbols



GHS signal word Danger

Hazard statements H315 - Causes skin irritation.
 H318 - Causes serious eye damage.
 H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements P273 - Avoid release to the environment.
 P280 - Wear protective gloves.
 P280 - Wear eye protection.
 P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P362+P364 - Take off contaminated clothing and wash before reuse.
 P501 - Dispose of contents/ container in accordance with national regulations.

Other hazard information

This product does not contain any substances classified as PBT or vPvB.

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SECTION 3: Composition and Information on Ingredients

The product is a mixture.

Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.- 5<10% hydroxy-, branched CAS number 127087-87-0	GHS Hazardous: Y	5<10%
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl- 3<5% ,N-C8-18(even numbered) acyl derivs., hydroxides, inner salts CAS number 147170-44-3	GHS Hazardous: Y	3<5%
Coconut diethanolamide CAS number 68155-07-7	GHS Hazardous: Y	2<3%
Dicocodimethylammonium chloride CAS number 61789-77-3	GHS Hazardous: Y	1<2%
Propan-2-ol CAS number 67-63-0	GHS Hazardous: Y	0.2<0.5%
Diethanolamine CAS Number 111-42-2	GHS Hazardous: Y	0.2<0.5%

SECTION 4: First Aid Measures

Description of first aid measures

General information	Get medical attention immediately. Show this Safety Data Sheet to any medical personnel.
Inhalation	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Place unconscious person on their side in the recovery position and ensure breathing can take place
Ingestion	Rinse mouth thoroughly with water. Remove any dentures. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. Maintain an open airway. Loosen tight clothing such as collar, tie or belt.
Skin Contact	It is important to remove the substance from the skin immediately. In the event of any sensitisation symptoms developing, ensure further exposure is avoided. Remove

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contamination with soap and water or recognised skin cleansing agent. Get medical attention if symptoms are severe or persist after washing.

Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes.

Protection of first aiders First aid personnel should wear appropriate protective equipment during any rescue. If it is suspected that volatile contaminants are still present around the affected person, first aid personnel should wear an appropriate respirator or self-contained breathing apparatus. Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.

Most important symptoms and effects, both acute and delayed

General information See Section 11 for additional information on health hazards. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation Prolonged inhalation of high concentrations may damage respiratory system.

Ingestion May cause sensitisation or allergic reactions in sensitive individuals. May cause irritation.

Skin contact May cause skin sensitisation or allergic reactions in sensitive individuals. Redness. Irritating to skin.

Eye contact Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.

Indication of any immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically. May cause sensitisation or allergic reactions in sensitive individuals.

SECTION 5: Fire Fighting Measures

Extinguishing media

Suitable extinguishing media The product is not flammable.

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Specific hazards Containers can burst violently or explode when heated, due to excessive pressure build-up.

Hazardous combustion products Thermal decomposition or combustion products may include harmful gases or vapours.

Advice for firefighters

Protective actions Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Control run-off water by containing and keeping it

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out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to Australia/New Zealand Standards AS/NZS 4967 (for clothing) AS/NZS 1801 (for helmets), AS/NZS 4821 (for protective boots), AS/NZS 1801 (for protective gloves) will provide a basic level of protection for chemical incidents.
Hazchem	Not applicable

SECTION 6: Accidental Release Measures

Precautions, protective equipment and emergency procedures

Personal precautions	No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Wash thoroughly after dealing with a spillage.
Environmental precautions	Avoid discharge to the aquatic environment. Large Spillages: Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

Methods and material for containment and cleaning up

Methods for cleaning up	Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Reuse or recycle products wherever possible. Approach the spillage from upwind. Small Spillages: If the product is soluble in water, dilute the spillage with water and mop it up. Alternatively, or if it is not water-soluble, absorb the spillage with an inert, dry material and place it in a suitable waste disposal container. Large Spillages: If leakage cannot be stopped, evacuate area. Flush spilled material into an effluent treatment plant, or proceed as follows. Contain and absorb spillage with sand, earth or other non-combustible material. Place waste in labelled, sealed containers. Clean contaminated objects and areas thoroughly, observing environmental regulations. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Following dilution, discharge to the sewer with plenty of water may be permitted. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
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Reference to other sections

Reference to other sections	For personal protection, see Section 8.
	See Section 11 for additional information on health hazards.
	See Section 12 for additional information on ecological hazards.
	For waste disposal, see Section 13.

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SECTION 7: Handling and Storage

Precautions for safe handling

Usage precautions

Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. CLP only - Suspected of damaging fertility. Suspected of damaging the unborn child. Pregnant or breastfeeding women should not work with this product if there is any risk of exposure. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

Occupation hygiene

Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Change work clothing daily before leaving workplace.

Conditions for safe storage, including any incompatibilities

Storage precautions

Store in accordance with local regulations. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage. Bund storage facilities to prevent soil and water pollution in the event of spillage. The storage area floor should be leak-tight, jointless and not absorbent.

Storage class

Miscellaneous hazardous material storage.

Specific end use(s)

Specific end use

The identified uses for this product are detailed in Section 1.

SECTION 8: Exposure Controls and Personal Protection

Occupational exposure limits

Propan-2-ol	Long-term exposure limit (8-hour TWA):	400 ppm	983 mg/m3
	Short-term exposure limit (15-minute):	500 ppm	1230 mg/m3
Diethanolamine	Long-term exposure limit (8-hour TWA):	3 ppm	13 mg/m3

Exposure controls

Protective equipment



Engineering controls

Provide adequate ventilation. Personal, workplace environment or biological monitoring may be required to determine the effectiveness of the ventilation or

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other control measures and/or the necessity to use respiratory protective equipment. Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimise worker exposure. Personal protective equipment should only be used if worker exposure cannot be controlled adequately by the engineering control measures. Ensure control measures are regularly inspected and maintained. Ensure operatives are trained to minimise exposure.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with Australia/New Zealand Standard AS/NZS 1337. Wear tight-fitting, chemical splash goggles. If inhalation hazards exist, a full-face respirator may be required instead.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with Australia/New Zealand Standard AS/NZS 2161. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

Other skin and body protection

Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.

Hygiene measures

Provide eyewash station and safety shower. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Clean equipment and the work area every day. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Preventive industrial medical examinations should be carried out. Warn cleaning personnel of any hazardous properties of the product.

Respiratory protection

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and complies with Australia/New Zealand Standard AS/NZS 1716. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with Australia/New Zealand Standard AS/NZS 1716. Full face mask respirators with replaceable filter cartridges should comply with Australia/New Zealand Standard AS/NZS 1716. Half mask and quarter mask respirators with replaceable filter cartridges should comply with Australia/New Zealand Standard AS/NZS 1716.

Environmental exposure control

Keep container tightly sealed when not in use. 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. Store in a demarcated bunded area to prevent release to drains and/or watercourses.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance

Liquid.

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Colour	Orange.
Odour	Faint tropical scent.
pH	Concentrated solution: ~7
Melting point	Not available.
Initial boiling point and range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability Limit - Lower(%)	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Solubility Value (g/100g H₂O)	Miscible with water. Soluble in water.
Comments	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.

SECTION 10: Stability and Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
Possibility of hazardous reactions	No potentially hazardous reactions known.
Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
Hazardous decomposition	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include harmful gases or vapours.

SECTION 11: Toxicological Information

Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

ATE oral (mg/kg) 6,802.72

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

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ATE inhalation (vapours mg/l)	444.44
Skin corrosion/irritation	
Animal data	Irritating.
Serious eye damage/irritation	
Serious eye damage/irritation	Eye Dam. 1 - H318 Causes serious eye damage.
Respiratory sensitisation	
Respiratory sensitisation	Based on available data the classification criteria are not met.
Skin sensitisation	
Skin sensitisation	May cause skin sensitisation or allergic reactions in sensitive individuals.
Germ cell mutagenicity	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Carcinogenicity	
Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	Contains a substance which may be potentially carcinogenic. IARC Group 2B Possibly carcinogenic to humans.
Reproductive toxicity	
Reproductive toxicity-fertility	CLP only - Suspected of damaging fertility.
Reproductive toxicity-development	Suspected of damaging the unborn child.
Specific target organ toxicity - single exposure	
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
Specific target organ toxicity - repeated exposure	
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard	
Aspiration hazard	Based on available data the classification criteria are not met.
General information	
	Avoid contact during pregnancy/while nursing. CLP only - May damage fertility. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Prolonged inhalation of high concentrations may damage respiratory system.
Ingestion	May cause sensitisation or allergic reactions in sensitive individuals. May cause irritation.
Skin Contact	May cause skin sensitisation or allergic reactions in sensitive individuals. Redness. Irritating to skin.
Eye contact	Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.
Route of entry	Ingestion Inhalation Skin and/or eye contact
Target organs	No specific target organs known.
Medical symptoms	No specific symptoms known.

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Medical considerations Skin disorders and allergies.

Toxicological information on ingredients.

Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-,branched

Acute toxicity – oral

Notes (oral LD₅₀) Acute Tox. 4 - H302 Harmful if swallowed.

ATE oral (mg/kg) 500.0

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data Irritating

Serious eye damage/irritation

Serious eye damage/irritation Eye Dam. 1 - H318 Causes serious eye damage.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitization Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

IARC carcinogenicity None of the ingredients are listed or exempt.

Reproductive toxicity

Reproductive toxicity-fertility CLP only - Suspected of damaging fertility.

Reproductive toxicity-development Suspected of damaging the unborn child.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

General information

Avoid contact during pregnancy/while nursing. CLP only - May damage fertility. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

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Inhalation	Prolonged inhalation of high concentrations may damage respiratory system.
Ingestion	May cause discomfort if swallowed. Stomach pain. Nausea, vomiting.
Skin contact	Redness. Irritating to skin.
Eye contact	Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.
Route of entry	Ingestion Inhalation Skin and/or eye contact
Target organs	No specific target organs known.

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-C8-18(even numbered) acyl derivs.,hydroxides, inner salts

Other health effects	There is no evidence that the product can cause cancer.	
Acute toxicity – oral		
Oral (LD ₅₀ mg/kg)	7,783.0	Rat
Acute toxicity - dermal		
Dermal (LD ₅₀ mg/kg)	2,066	Rat
Skin sensitisation		
Skin sensitization	Not sensitising.	
Reproductive toxicity		
Reproductive toxicity-development	NOAEL: 1,000 mg/kg, Oral, Rat	
Specific target organ toxicity - single exposure		
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.	
Specific target organ toxicity - repeated exposure		
STOT - repeated exposure	NOAEL 300 mg/kg, Oral, Rat Not classified as a specific target organ toxicant after repeated exposure.	

Coconut diethanolamide

Acute toxicity – oral		
Oral (LD ₅₀ mg/kg)	5,000.0	Rat
Acute toxicity - dermal		
Dermal (LD ₅₀ mg/kg)	2,000	Rat
Acute toxicity - inhalation		
Notes inhalation (LC ₅₀)	Based on available data the classification criteria are not met.	
Skin corrosion/irritation		
Animal data	Irritating.	
Serious eye damage/irritation		
Serious eye damage/irritation	Eye Dam. 1 - H318 Causes serious eye damage.	
Respiratory sensitisation		

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Respiratory sensitisation	Based on available data the classification criteria are not met.
Skin sensitisation	
Skin sensitisation	Based on available data the classification criteria are not met.
Germ cell mutagenicity	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Carcinogenicity	
Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	None of the ingredients are listed or exempt.
Reproductive toxicity	
Reproductive toxicity-fertility	Based on available data the classification criteria are not met.
Reproductive toxicity-development	Based on available data the classification criteria are not met.
Specific target organ toxicity - single exposure	
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
Specific target organ toxicity - repeated exposure	
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
Aspiration Hazard	
Aspiration Hazard	Based on available data the classification criteria are not met.
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Prolonged inhalation of high concentrations may damage respiratory system.
Ingestion	May cause irritation.
Skin contact	Redness. Irritating to skin.
Eye contact	Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.
Route of entry	Ingestion Inhalation Skin and/or eye contact
Target organs	No specific target organs known.

Dicocodimethylammonium chloride

Other health effects There is no evidence that the product can cause cancer.

Propan-2-ol

Other health effects There is no evidence that the product can cause cancer.

Acute toxicity – oral

Oral (LD₅₀ mg/kg) 5,840.0 Rat

Acute toxicity - dermal

Dermal (LD₅₀ mg/kg) 16.4 Rabbit

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Respiratory sensitisation

Respiratory sensitisation Not sensitising.

Skin sensitisation

Skin sensitisation Not sensitising.

Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

Inhalation

Drowsiness, dizziness, disorientation, vertigo

Ingestion

No specific health hazards known.

Skin Contact

No specific health hazards known.

Eye contact

Irritating to eyes.

Diethanolamine

Acute toxicity – oral

Oral (LD₅₀ mg/kg) 1,600.0 Rat

ATE oral (mg/kg) 500.0

Acute toxicity - dermal

Dermal (LD₅₀ mg/kg) 8,200.0 Rabbit

ATE dermal (mg/kg) 8,200.0

Carcinogenicity

IARC carcinogenicity IARC Group 2B Possibly carcinogenic to humans.

SECTION 12: Ecological Information

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

Bioaccumulative potential No data available on bioaccumulation.

Persistence and degradability The degradability of the product is not known.

Mobility in soil The product is water-soluble and may spread in water systems.

The product is non-volatile.

PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Other adverse effects None known.

Ecological information on ingredients

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-C8-18(even numbered) acyl derivs., hydroxides, inner salts

Ecotoxicity Harmful to aquatic life.

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Acute toxicity-fish	LC50, 96 hours: ~ 1.11 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity-aquatic invertebrates	EC50, 48 hours: 1.9 mg/l, Daphnia magna
Acute toxicity-aquatic plants	EC50, 72 hours: 2.4 mg/l, Freshwater algae
Acute toxicity-microorganisms	EC ₀ : 3,000 mg/l, Activated sludge
Chronic toxicity-fish early life stage	NOEC: 0.135 mg/l, Onchorhynchus mykiss (Rainbow trout)
Chronic toxicity-aquatic invertebrates	NOEC: 0.3 mg/l, Daphnia magna
Persistence and degradability	The product is biodegradable.
Bioaccumulative Potential	The product does not contain any substances expected to be bioaccumulating. BCF: 71
Mobility	The product is soluble in water.

Coconut diethanolamide

Ecotoxicity	This product is mildly toxic to aquatic organisms.
Toxicity	Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects
Acute toxicity-fish	LC50, 96 hours: 2.4 mg/l, Fish
Acute toxicity-aquatic invertebrates	EC50, 48 hours: 3.2 mg/l, Daphnia magna
Acute toxicity-aquatic plants	LC50, 72 hours: 3.9 mg/l, Algae
Bioaccumulative potential	No data available on bioaccumulation.
Mobility	The product is water-soluble and may spread in water systems. The product is non- volatile.

Propan-2-ol

Ecotoxicity	The product is not expected to be hazardous to the environment.
Acute toxicity-fish	LC ₅₀ , 96 hours: ~ 9640 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity-aquatic invertebrates	EC ₅₀ , >: > 1000 mg/l, Daphnia magna
Acute toxicity-aquatic plants	EC ₅₀ , 72 hours: > 1000 mg/l, Scenedesmus subspicatus
Acute toxicity-microorganisms	EC ₅₀ , >: > 1000 mg/l, Activated sludge
Persistence and degradability	The product is expected to be biodegradable.
Biodegradation	Degradation 95%, 21 days
Biological oxygen demand	~ 1171 g O ₂ /g substance

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Chemical oxygen demand	~ 2294 g O ₂ /g substance
Bioaccumulative potential	The product is not bioaccumulating.
Partition coefficient	log Pow: 0.05
Mobility	The product is soluble in water
Adsorption/desorption coefficient	Water - Koc: ~ 1.1 @ °C
Henry's law constant	0.00000338 atm m ³ /mol @ 25°C

Diethanolamine

Ecotoxicity	The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.
Acute toxicity-fish	LC ₅₀ , 96 hours: > 1 mg/l, Freshwater fish
Persistence and degradability	The product is biodegradable.
Mobility	The product is soluble in water.

Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-,branched

Toxicity	Aquatic Acute 1 - H400 Very toxic to aquatic life.
Acute aquatic toxicity	LE(C) ₅₀ 0.1 < L(E)C ₅₀ ≤ 1
M factor (acute)	1
Persistence and degradability	The degradability of the product is not known.
Bioaccumulative potential	No data available on bioaccumulation.
Mobility	The product is water-soluble and may spread in water systems. The product is non- volatile.

Dicocodimethylammonium chloride

Acute aquatic toxicity	LE(C) ₅₀ 0.1 < L(E)C ₅₀ ≤ 1
M factor (acute)	1
Acute toxicity-fish	LC ₅₀ , 96 hours: 0.195 mg/l, Fish
Acute toxicity-aquatic invertebrates	EC ₅₀ , 48 hours: 0.01-0.1 mg/l, Daphnia magna
Persistence and degradability	The product is biodegradable.

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Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
Mobility	The product is soluble in water.

SECTION 13: Disposal Considerations

Waste treatment methods

General information

The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Disposal methods

Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Incineration or landfill should only be considered when recycling is not feasible.

SECTION 14: Transport Information

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).	
UN number	Not applicable.	
UN proper shipping name	Not applicable.	
Transport hazard class(es)	No transport warning sign required.	
Packing group	Not applicable.	
Hazchem	Not applicable.	
Environmentally hazardous substance/marine pollutant	No	
Special precautions for user	Not applicable.	
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.	

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SECTION 15: Regulatory Information

Inventories

Australia – AICS	All the ingredients are listed or exempt.	
NZIoC	All the ingredients are listed or exempt.	
HSNO Approval Code	HSR002670	
HSNO Classification	Substances that are irritating to the skin	Category 6.3A
	Substances that are corrosive to ocular tissue	Category 8.3A
	Substances that are harmful in the aquatic environment	Category 9.1C

SECTION 16: Any Other Relevant Information

General information	This product has been manufactured under ISO 9001 and ISO 14001 Quality and Environmental Management Systems. Only trained personnel should use this material.	
Training advice	Read and follow manufacturer's recommendations. Only trained personnel should use this material.	
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.	
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This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.