

# SAFETY DATA SHEET

## SECTION 1 – IDENTIFICATION: PRODUCT IDENTIFIER/CHEMICAL IDENTITY

- 1.1 PRODUCT IDENTIFIER:** Bona Polish Remover
- 1.2 PRODUCT CODE:** Not applicable
- 1.3 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST:**  
**RELEVANT IDENTIFIED USES:** Alkaline detergent for cleaning polish and other hard to move materials from timber and hard surface floors.
- RESTRICTIONS ON USE:** None known.
- 1.4 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:**
- SUPPLIER NAME:** Bona Australia Pty Ltd (ABN: 2208 758 1520),  
**ADDRESS:** Unit 9, Wareca Business Park  
1866 Princes Highway, Clayton, Victoria, 3168  
**E-MAIL:** [info@bona.net.au](mailto:info@bona.net.au)  
**TELEPHONE NUMBER:** 03 9543 4399
- 1.5 EMERGENCY TEL. NUMBER:** 03 9543 4399 Business Hours. (0408 008 762 After Hours or National Chemical Emergency Centre Europe 18000 74234.)

## SECTION 2 – HAZARD(S) IDENTIFICATION

### 2.1 CLASSIFICATION OF THE HAZARDOUS CHEMICAL:

#### GHS CLASSIFICATION HAZARD CLASS & CATEGORY:

The product is a mixture and has been assessed under the Model Work Health and Safety Regulations with the following Classification:

Skin Corrosion/Irritation - Category 2  
Serious Eye Damage/Irritation - Category 1

### 2.2 LABEL ELEMENTS INCLUDING PRECAUTIONARY STATEMENTS:

**SIGNAL WORD:** Danger

**PICTOGRAMS:**



**HAZARD STATEMENTS:** H315 - Causes skin irritation.  
H318 - Causes serious eye damage.

#### PRECAUTIONARY STATEMENTS:

**PREVENTION:** P102 - Keep out of reach of children.  
P103 - Read label before use.  
P264 - Wash hands with soap and water thoroughly after handling.  
P280 - Wear protective gloves and eye protection/face protection.

**RESPONSE:** P101 - If medical advice is needed, have product container or label at hand.  
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.  
P310 - Immediately call a POISON CENTRE (Phone in Australia 131 126; New Zealand 0800 764 766) or doctor/physician.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.

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## SECTION 2 – HAZARD(S) IDENTIFICATION - Continued

**STORAGE:** Not Applicable.

**DISPOSAL:** Not Applicable.

**2.3 OTHER HAZARDS:** Excessive exposure to vapours may result in irritation of the respiratory system. Due to the high pH of the concentrate, the product may cause gastric irritation or, in the worst case burns, if swallowed. People with pre-existing skin conditions, such as eczema or dermatitis, should take precautions so as not to exacerbate the condition. As for all chemical products, persons should not expose open wounds, cuts, abrasions or irritated skin to this material.

## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	Concentration % W/W	GHS Classification*
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl- omega.-hydroxy-, branched H302 (Ethoxylated Isotridecanol)	69011-36-5	≤ 5%	Acute Tox 4 -  Skin Irrit 2 - H315 Eye Dam 1 -
		H318	
Ethanol  H319	64-17-5	≤ 5%	Flam Liq 2 - H225 Eye Irrit 2A -
Ethanol, 2-amino-	141-43-5	< 2.5%	Acute Tox 4 - H302 Acute Tox 4 - H312 Skin Corr 1B - H314 Acute Tox 4 - H332
Non-hazardous ingredients	-	To 100%	Not Applicable

\* Please see Section 15 of this SDS for the full text description of the Label Elements.

## SECTION 4 – FIRST AID MEASURES

### 4.1 DESCRIPTION OF NECESSARY FIRST AID MEASURES:

**INGESTION:** Rinse mouth out with water. Due to the blend of ingredients present and the high pH of the product, the manufacturer recommends that if swallowed, do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. If irritation develops or persists or vomiting has occurred after ingestion, seek medical assistance.

**EYE:** Due to the high pH of the product, if in eyes, hold eyelids apart and flush the eye immediately with large amounts of running water. Continue flushing for at least 15 minutes or until advised to stop by a Doctor. Check for contact lenses. If there are contact lenses, these should be removed after several minutes of rinsing by the exposed person or medical personnel if it can be done easily. As the product is rated as Causes severe eye damage, after flushing, immediately call a Poisons Information Centre (Tel. Australia 13 11 26; New Zealand 0800 764 766) or doctor/physician.

**SKIN CONTACT:** If skin or hair contact has occurred remove any contaminated clothing and footwear, wash skin or hair thoroughly with soap and water. Do NOT use solvents and/or thinners. As the product is a skin irritant, if skin irritation develops or persists, consult a Doctor.

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## SECTION 4 – FIRST AID MEASURES - Continued

**INHALATION:** If affected, remove the patient from further exposure into fresh air, if safe to do so. If providing assistance, avoid exposure to yourself - only enter contaminated environments with adequate respiratory equipment. Once removed, lay patient down in a well-ventilated area and reassure them whilst waiting for medical assistance. If not breathing, provide artificial respiration and seek immediate medical assistance. If unconscious, place in a recovery position and seek immediate medical assistance. If irritation develops/persists, consult a Doctor.

**PROTECTION FOR FIRST AIDERS:** No personnel shall place themselves in a situation that is potentially hazardous to themselves. Assess the scenario for PPE requirements before entering. Assess environment for vapours before entering. Do not enter contaminated area without a respirator. As the product is a mixture of Alcohol, Ethanolamine and Ethoxylated isotridecanol with a high pH, if the person has ingested the product, do not use direct mouth-to-mouth resuscitation techniques. Always ensure that you are wearing gloves when dealing with first aid procedures involving chemicals and/or blood.

**FIRST AID FACILITIES:** Eye wash fountain and safety showers are recommended in the area where the product is used. As a minimum, a source of running, potable water must be available.

### 4.2 MOST IMPORTANT SYMPTOMS & EFFECTS, BOTH ACUTE & DELAYED, CAUSED BY EXPOSURE:

**ACUTE:** The product is rated by calculation as an eye corrosive and a skin irritant. Eye contact may lead to severe eye irritation or in worst case scenario possible eye burns and irreversible damage. Skin contact may lead to redness or itching. Ingestion or inhalation of vapours may lead to irritation of the mouth and respiratory tract, and potentially adverse effects on the kidneys, liver and central nervous system. Symptoms may include an intense burning sensation in the nose, throat and respiratory tract, headache, dizziness, fatigue, muscular weakness, drowsiness, coughing or difficulty breathing. Ingestion may lead to nausea or vomiting and potentially burns due to the high pH of the product.

**CHRONIC:** Repeated or prolonged skin contact may also aggravate/exacerbate existing skin conditions, such as dermatitis. Repeated or prolonged contact with the preparation may cause removal of the natural fats and oils from the skin.

### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NECESSARY:

**ADVICE TO DOCTOR:** Treat symptomatically. As the product is an alcohol, amine and ethoxylated isotridecanol based solution, it may present an aspiration hazard if vomiting has occurred after ingestion of large quantities. The manufacturer recommends that if large quantities have been ingested or inhaled, the exposed person may need to be kept under medical surveillance for 48 hours as a precaution.

## SECTION 5 – FIRE FIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA:

**SUITABLE MEDIA:** Use extinguishing media appropriate for surrounding fire. Use carbon dioxide, alcohol resistant foam, dry chemical or water fog. Spray down fumes resulting from fire.

**UNSUITABLE MEDIA:** Avoid using full water jet directed at residual material that may be burning. Water may cause splattering on hot residues.

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## SECTION 5 – FIRE FIGHTING MEASURES - Continued

### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

**COMBUSTION HAZARDS:** Combustion may produce oxides of carbon and nitrogen, as well as smoke and irritating vapours. If the product solvent is evaporated during a fire, the residual dispersed materials may decompose and release dense black smoke and toxic substances.

### 5.3 ADVICE FOR FIREFIGHTERS:

**FIRE:** This product is not flammable under conditions of use. Keep storage areas and fire exposed surfaces, etc, cool with water spray. Do not allow runoff from a fire to enter drains, sewers or waterways.

**HAZCHEM CODE:** Not applicable.

**EXPLOSION:** No information to indicate that the product is an explosion hazard. Extinguish all sources of flame or spark. Closed containers may explode when exposed to extreme heat.

#### PROTECTIVE EQUIPMENT:

In the event of a fire, wear full protective clothing and self-contained breathing equipment with full-face piece operated in the pressure demand or other positive pressure mode.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

**PERSONAL PROTECTION:** For spills, wear Nitrile Rubber gloves, glasses/goggles, boots and full-length clothing. During routine operation for a small spill a respirator is not required. However, if mists or vapours are generated, an approved organic vapour/particulate respirator is required. For large spills, or in confined spaces, a full chemically resistant body-suit is recommended and the atmosphere must be evaluated for oxygen deficiency and as a precaution, due to the presence of Ethanol, whether the atmosphere is flammable. If in doubt about potential oxygen deficiency, wear self-contained breathing apparatus. Never enter an environment with a flammable atmosphere.

**CONTROL MEASURES:** Ventilate area and extinguish and/or remove all sources of ignition. **CAUTION:** The product contains Ethanol and in a confined space, vapour may form an explosive mixture with air. Never enter a spill area unless you know the vapours have dissipated to make the area safe. Stop the leak if safe to do so. **CAUTION:** The spilled product will be slippery. Avoid contact with the spilled material.

#### EMERGENCY PROCEDURES:

In the event of a spill or accidental release, notify the relevant authorities in accordance with all applicable regulations.

### 6.2 ENVIRONMENTAL PRECAUTIONS:

**SPILL ADVICE:** Do not allow product to enter drains, surface water, sewers or watercourses - inform local authorities if this occurs. Due to the presence of Ethanol in the product, take precautions against static discharge. Ensure all equipment is grounded and use non-sparking tools during clean up operations.

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## SECTION 6 – ACCIDENTAL RELEASE MEASURES - Continued

### 6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

**CONTAINMENT:** Contain the spill and absorb with a proprietary absorbent material, sand or earth. **CAUTION:** The spilled product will be slippery. Due to the presence of Ethanol in the product, be careful of static discharges and/or sparking during clean up. For large spills prepare a bund/barrier/dyke ahead of the spill to confine the spill and allow later recovery. If there is the possibility of spills to enter drains, surface water, sewers or watercourses ensure bunding, or that drains are covered, to minimise the potential for this to occur.

**CLEANING PROCEDURES:** Having contained the spill, as mentioned above, collect all material quickly and place used absorbent in suitable containers. Due to the presence of Ethanol in the product, be careful of static discharges and/or sparking during clean up. As a precaution, use only non-sparking tools during cleaning operations. **CAUTION:** The spilled product will be slippery. Follow local regulations for the disposal of waste. For large spills that have been banded, the material can be pumped into vessels and returned for reprocessing or destruction. Personnel must wear gloves, goggles or glasses, boots and full-length clothing during cleaning procedures. Wash contaminated area and objects with detergent and water after spill has been cleared. Rinse the cleaned area with water. Do not allow wash water or rinsings to enter drains, surface water, sewers or water courses. Avoid using solvents during the cleaning process.

## SECTION 7 – HANDLING AND STORAGE, INCLUDING HOW THE CHEMICAL MAY BE SAFELY USED

### 7.1 PRECAUTIONS FOR SAFE HANDLING:

**SAFE HANDLING:** Avoid contact with the product by using appropriate protective equipment such as gloves, glasses or goggles and full-length clothing. A full-face shield should be used if there is the potential for the product to enter the eye via processes such as mixing, spraying or splashes. Due to the presence of Ethanol in the product, extinguish any potential sources of ignition before using as flammable vapours may be generated during application. Do not leave containers in direct sunlight. Due to the possibility of pressure build up in the container, open the container with care. Avoid breathing mists or vapours. Do not smoke when handling the material. Prevent small spills and leakage to avoid slip hazards. Eating, drinking, and smoking should be prohibited in the area where this material is handled, stored and processed. Workers should follow good personal hygiene practices, such as washing hands before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid inhalation of mists and vapours. Always keep in containers made of the same material as the original one. Never use pressure to empty the container; the container is not a pressure vessel. Keep containers tightly closed when not in use. Prevent product from entering waterways, drains or sewers.

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

**SAFE STORAGE:** Store in a dry, well ventilated, frost-free area away from direct sunlight, ignition sources, oxidising agents, strong acids and alkalis, foodstuffs, animal feeds and clothing. Keep containers closed when not in use. Always keep in containers made of the same material as the original one. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Protect the packaging from damage.

**INCOMPATIBILITIES:** Avoid oxidising agents, including strong acids, and strongly alkaline materials.

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## SECTION 8 – EXPOSURE CONTROLS & PERSONAL PROTECTION

### 8.1 EXPOSURE CONTROL MEASURES:

#### EXPOSURE LIMIT VALUES:

Exposure standards for the product have not been established. The following values are applicable for the individual components:

#### Ethanol:

TWA: 1000 ppm 1880 mg/m<sup>3</sup>

#### 2-Aminoethanol:

TWA: 3 ppm 7.5 mg/m<sup>3</sup> STEL: 6 ppm 15 mg/m<sup>3</sup>

**8.2 BIOLOGICAL MONITORING:** No data available.

**8.3 CONTROL BANDING:** No data available.

### 8.4 ENGINEERING CONTROLS:

**ENGINEERING CONTROLS:** Use product in a well ventilated area. Where reasonably practical this should be achieved by the use of local exhaust ventilation and good general extraction. Special ventilation is not normally required. However, in the operation of certain equipment, in enclosed spaces or at elevated temperatures, mists or vapours may be generated and exhaust ventilation may be required to maintain airborne concentrations below the nominated exposure standards and at an acceptable level that does not cause irritation. PLEASE NOTE: Due to the presence of Ethanol in the product, if there is a necessity to use ventilation equipment it should not be a potential source of ignition for any vapours generated.

### 8.5 INDIVIDUAL PROTECTION MEASURES:

**EYE & FACE PROTECTION:** Wear safety glasses/goggles to avoid eye contact. If when mixing or stirring the product there is the possibility of splashing, a full-face shield is recommended. Use eye protection in accordance with AS 1336 and AS 1337.

**SKIN (HAND) PROTECTION:** If there is the chance of skin contact with the material; wear gloves to provide hand protection. Nitrile rubber gloves are recommended. Gloves should be replaced regularly.

**SKIN (CLOTHING) PROTECTION:** During normal operating procedures, long sleeved clothing is recommended to avoid skin contact. Soiled clothing should be washed with detergent prior to re-use.

**RESPIRATORY PROTECTION:** During routine operation a respirator is not required. However, if mists or vapours are generated, an approved half face organic vapour/particulate respirator is required. Use respirators in accordance with AS 1715 and AS 1716.

**THERMAL PROTECTION:** Not applicable.

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## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 PHYSICAL AND CHEMICAL PROPERTIES:

<b>APPEARANCE:</b>	Green / Blue liquid.
<b>ODOUR:</b>	Pleasant
<b>ODOUR THRESHOLD:</b>	No data available.
<b>pH:</b>	Typically 12.5.
<b>MELTING/FREEZING POINT:</b>	Typically 0°C.
<b>INITIAL BOILING POINT:</b>	Typically 100°C.
<b>BOILING RANGE (°C):</b>	No data available.
<b>FLASHPOINT (°C):</b>	No data available.
<b>EVAPORATION RATE:</b>	No data available.
<b>FLAMMABILITY LIMITS (%):</b>	No data available.
<b>VAPOUR PRESSURE (kPa):</b>	No data available.
<b>VAPOUR DENSITY:</b>	No data available.
<b>DENSITY (g/mL @ 20°C):</b>	Typically 1.
<b>SOLUBILITY IN WATER(g/L):</b>	Soluble in cold and hot water.
<b>PARTITION COEFFICIENT:</b>	No data available for n-octanol/water.
<b>AUTO-IGNITION TEMP (°C):</b>	No data available.
<b>DECOMPOSITION TEMP (°C):</b>	No data available.
<b>VISCOSITY (Dynamic):</b>	No data available.
<b>VISCOSITY (cSt @ 40°C):</b>	No data available.

## SECTION 10 – STABILITY AND REACTIVITY

- 10.1 REACTIVITY:** The product does not pose any further reactivity hazards other than those listed in the following sub-sections.
- 10.2 CHEMICAL STABILITY:** Stable under recommended storage and handling conditions (see section 7).
- 10.3 POSSIBILITY OF HAZARDOUS REACTIONS:** Keep away from strong oxidising agents, including strong acids and strong alkalis. Hazardous polymerisation does not occur.
- 10.4 CONDITIONS TO AVOID:** Due to the presence of Ethanol in the product, avoid ignition sources including heat and sparks. Observe the usual precautionary measures for handling chemicals. Do not heat the container or leave the container open when not in use.
- 10.5 INCOMPATIBLE MATERIALS:** Avoid oxidising agents, strong acids and strong alkaline materials.
- 10.6 HAZARDOUS DECOMPOSITION PRODUCTS:** Hazardous decomposition products are not expected to form during normal storage requirements. See Section 5.2 for Hazardous Combustion products.

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## SECTION 11 – TOXICOLOGICAL INFORMATION

### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

The product is a mixture and test data is not available for the product as a whole. The manufacturer provides the following data for the product and components:

#### Acute Toxicity Estimates Product Mixture:

Oral - LD<sub>50</sub>: 9,188.8 mg/kg  
Dermal - LD<sub>50</sub>: 51,767.8 mg/kg  
Inhalation - LC<sub>50</sub> (vapour): 517.7 mg/l

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

Dermal - LD<sub>50</sub> (Rat): >2,000 mg/kg

#### Ethanol

Oral - LD<sub>50</sub> (Rat): 7,000 mg/kg  
Dermal - LD<sub>50</sub> (Rat): >15,800 mg/kg  
Inhalation - LC<sub>50</sub> (Mouse, vapour, 4 hours): >20 mg/L  
Inhalation - LC<sub>50</sub> (Rat, vapour, 4 hours): 124.7 mg/L

#### 2-Aminoethanol

Oral - LD<sub>50</sub> (Rat): 1,720 mg/kg

### 11.2 SWALLOWED:

Ingestion of the product could lead to gastrointestinal tract irritation with nausea, diarrhea, vomiting and potentially burns due to the high pH of the product. It contains components that are rated as Harmful if swallowed, however these are present at amounts well below the Concentration cut-off levels. During normal usage, ingestion should not be a means of exposure.

### 11.3 SKIN CORROSION / IRRITATION:

This product is rated as Causes skin irritation. Prolonged or repeated contact may cause defatting of the skin which may lead to non-allergic contact dermatitis and absorption through the skin. The high pH of the product of 12.5 may indicate that it should be rated as Causes severe skin burns, however the manufacturer has performed in vitro skin corrosion tests and found the mixture to be non-corrosive to skin. Correct handling procedures incorporating appropriate protective clothing and gloves should minimise the risk of skin irritation. People with pre-existing skin conditions, such as dermatitis, should take extreme care so as not to exacerbate the condition.

### 11.4 SERIOUS EYE DAMAGE / IRRITATION:

The product is rated by calculation as Causes severe eye damage. Symptoms may include localised burning, redness, pain, swelling, blurred vision, tearing, tissue burns and irreversible eye damage in the worst case scenario. Correct handling procedures incorporating appropriate eye protection should minimise the risk of eye damage or irritation.

### 11.5 RESPIRATORY OR SKIN SENSITISATION:

This product is not expected to be a skin sensitiser, based on the available data and the known hazards of the components. This product is not expected to be a respiratory tract sensitiser, based on the available data and the known hazards of the components.

### 11.6 GERM CELL MUTAGENICITY:

This product is not expected to be mutagenic based on the available data and the known hazards of the components.

### 11.7 CARCINOGENICITY:

This product is not expected to be a carcinogen based on the available data and the known hazards of the components.



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## SECTION 11 – TOXICOLOGICAL INFORMATION - Continued

### 11.8 REPRODUCTIVE TOXICITY:

This product is not expected to be a reproductive hazard based on the available data and the known hazards of the components.

### 11.9 SPECIFIC TARGET ORGAN TOXICITY (STOT) –

#### SINGLE EXPOSURE:

This product is not expected to cause organ damage from a single exposure, based on the available data and the known hazards of the components. This product is not expected to pose an irritation hazard at ambient temperature or under normal handling conditions. Not classified as a respiratory irritant, however inhalation of vapours or mist (generated at elevated temperatures or by mechanical action) may cause irritation to the nose, throat and respiratory system.

### 11.10 SPECIFIC TARGET ORGAN TOXICITY (STOT) –

#### REPEATED EXPOSURE:

This product is not expected to cause organ damage from prolonged or repeated exposure, based on the available data and the known hazards of the components.

**11.11 ASPIRATION HAZARD:** This product is not expected to be an aspiration hazard, based on the available data and the known hazards of the components. However, as the product is alcohol, amine and ethoxylated isotridecanol based, aspiration into the lungs may be an issue if vomiting has occurred after ingestion or if stomach irrigation is deemed necessary. As a precaution, if vomiting has occurred after ingestion, the patient should be monitored for adverse effects. The manufacturer recommends that if swallowed, do NOT induce vomiting.

**11.12 OTHER INFORMATION:** No additional data available.

## SECTION 12 – ECOLOGICAL INFORMATION

### 12.1 ECOTOXICITY:

The following Ecotoxicity data was obtained from the manufacturer:

#### Ethanol

EC<sub>50</sub>(Algae - *Ulva pertusa*, marine water, 96hrs): 17,921 mg/L

EC<sub>50</sub>(Aquatic plants, 48hrs): >100 mg/L

EC<sub>50</sub>(Daphnia, 48hrs): 12.34 mg/L

EC<sub>50</sub>(Daphnia magna, fresh water, 48hrs): 2,000 µg/L

LC<sub>50</sub>(Crustaceans, *Artemia franciscana*, Larvae, marine water, 48hrs): 25,500 µg/L

LC<sub>50</sub>(Fish, 48hrs): >100 mg/L

LC<sub>50</sub>(Fish - *Oncorhynchus mykiss*, fresh water, 4days): 42,000 µg/L

#### 2-Aminoethanol

EC<sub>50</sub>(Algae, *Desmodesmus subspicatus*, fresh water, 72hrs): 8.42 mg/L

LC<sub>50</sub>(Crustaceans, *Crangon crangon*, Adult, marine water, 48hrs): >100,000 µg/L

LC<sub>50</sub>(Fish, *Carassius auratus*, fresh water, 96hrs): 170 mg/L

There is no data available for the product as a whole. The product has been assessed following the summation method of the CLP Regulation (EC) 1272/2008 and is not classified as hazardous to the environment, but contains substance(s) hazardous to the environment.

### 12.2 PERSISTENCE & DEGRADABILITY:

No persistence or biodegradability data is available for the product. The ethanol component is readily biodegradable.

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## SECTION 12 – ECOLOGICAL INFORMATION - Continued

### 12.3 BIOACCUMULATIVE POTENTIAL:

No bioaccumulative data is available for the product. Ethanol and 2-Aminoethanol components have low bioaccumulative potentials with log  $P_{ow}$  values of -0.35 and -1.31 respectively.

### 12.4 MOBILITY IN SOIL:

No information is available.

### 12.5 OTHER ADVERSE EFFECTS:

Do not allow product to enter drains, surface water, sewers or watercourses - inform local authorities if this occurs. The product is miscible with water.

## SECTION 13 – DISPOSAL CONSIDERATIONS

### 13.1 DISPOSAL METHODS:

#### PRODUCT:

The product should not be released to the environment, so any unused material should be recycled wherever possible or be disposed of as hazardous waste at an appropriate collection depot. Spilled product that cannot be recovered should be absorbed and then shovelled into a suitable waste container, such as a plastic drum and then be treated as a solid waste. Follow Government regulations for disposal of such waste. All unused, waste or spilled product must be taken for recycling or disposal by suitably licensed contractors in accordance with Government regulations. Do not pour leftover product down the drain.

#### CONTAINERS:

Empty containers may contain residual material. They should be completely drained and then stored until reconditioned or disposed of. Empty containers should be taken for recycling or disposal through suitably licensed contractors in accordance with Government regulations. Empty containers should be recycled wherever possible rather than being sent to landfill or incinerated. If being sent to landfill any residual product must be allowed to dry before disposal.

## SECTION 14 – TRANSPORT INFORMATION

This product is not regulated for land, sea or air transportation. Although the product has a high pH of 12.5, the manufacturer has performed tests with aluminium which showed no reaction indicating that the product is not classified as corrosive to metals and hence not corrosive for Dangerous Good requirements.

### 14.1 LAND (ADG Code):

UN NUMBER:	Not applicable
UN PROPER SHIPPING NAME:	Not applicable
TRANSPORT HAZARD CLASS(ES):	Not applicable
PACKAGING GROUP:	Not applicable
ENVIRONMENTAL HAZARDS:	Not applicable
SPECIAL PRECAUTIONS FOR USER:	Not applicable
HAZCHEM CODE:	Not applicable

### 14.2 SEA (IMDG):

UN NUMBER:	Not applicable
UN PROPER SHIPPING NAME:	Not applicable
TRANSPORT HAZARD CLASS(ES):	Not applicable
PACKAGING GROUP:	Not applicable
ENVIRONMENTAL HAZARDS:	Not applicable
SPECIAL PRECAUTIONS FOR USER:	Not applicable

### 14.3 AIR (IATA):

UN NUMBER:	Not applicable
UN PROPER SHIPPING NAME:	Not applicable
TRANSPORT HAZARD CLASS(ES):	Not applicable
PACKAGING GROUP:	Not applicable
ENVIRONMENTAL HAZARDS:	Not applicable
SPECIAL PRECAUTIONS FOR USER:	Not applicable

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## SECTION 15 – REGULATORY INFORMATION

### 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS:

#### APPLICABLE REGULATIONS:

<b>SUSMP:</b>	Not scheduled.
<b>AIC:</b>	According to the manufacturer, all ingredients are on the AIC List.
<b>MONTREAL PROTOCOL:</b>	Not applicable to this product.
<b>STOCKHOLM CONVENTION:</b>	Not applicable to this product.
<b>ROTTERDAM CONVENTION:</b>	Not applicable to this product.
<b>BASEL CONVENTION:</b>	Not applicable to this product.
<b>INTERNATIONAL CONVENTION FOR THE PREVENTION OF POLLUTION FROM SHIPS (MARPOL):</b>	Not applicable to this product.

#### OTHER REGULATORY INFORMATION:

#### GHS CLASSIFICATION HAZARD CLASS & CATEGORY AND HAZARD STATEMENT:

Flammable Liquids Category 2;	H225 - Highly flammable liquid and vapour.
Acute Toxicity Category 4;	H302 - Harmful if swallowed.
Acute Toxicity Category 4;	H312 - Harmful in contact with skin.
Skin Corrosion/Irritation Category 1B;	H314 - Causes severe skin burns and eye damage.
Skin Irritation Category 2;	H315 - Causes skin irritation.
Serious Eye Damage/Irritation Category 1;	H318 - Causes serious eye damage.
Serious Eye Damage/Irritation Category 2A;	H319 - Causes serious eye irritation.
Acute Toxicity Category 4;	H332 - Harmful if inhaled.

## SECTION 16 – ANY OTHER RELEVANT INFORMATION

#### SDS INFORMATION:

**Date of SDS Preparation:** 1<sup>st</sup> June 2021 **Revision:** 3.0

**REVISION CHANGES:** 5 year scheduled revision

#### ACRONYMS:

SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
CAS Number	Chemical Abstracts Service Registry Number
EINECS	European Inventory of Existing Commercial Chemical Substances
UN Number	United Nations Number
OSHA	Occupational Safety and Health Administration
ACGIH	American Conference of Governmental Industrial Hygienists
HSE-WEL	Health and Safety Executive - Workplace Exposure Limit
EH40	EH40/2005 Workplace Exposure Limits
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
IUCLID	International Uniform Chemical Information Database
RTECS	Registry of Toxic Effects of Chemical Substances
%W/W	Percent weight for weight
OECD	Organisation for Economic Co-Operation and Development
ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail
HAZCHEM Code	Emergency action code of numbers and letters which gives information to emergency services
NOHSC	National Occupational Health and Safety Commission
AICIS	Australian Industrial Chemicals Introduction Scheme
IMAP	Inventory Multi-Tiered Assessment and Prioritisation
AIC	Australian Inventory of Industrial Chemicals
TWA	Time-Weighted Average
STEL	Short Term Exposure Limit

# SAFETY DATA SHEET

## SECTION 16 – ANY OTHER RELEVANT INFORMATION - Continued

### ACRONYMS (Continued):

HSNO	Hazardous Substances and New Organisms Act 1996
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
WHS	Work Health and Safety PPE Personal Protective Equipment.
LD <sub>50</sub>	Median Lethal Dose
LC <sub>50</sub>	Median Lethal Concentration
EC <sub>50</sub>	Effective Concentration of a substance that causes 50% of the maximum response after exposure for a nominated time
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
ECHA	European Chemicals Agency
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
HCIS	Hazardous Chemical Information System
PBT	Persistent, Bioaccumulative and Toxic
vPvP	Very Persistent and Very Bioaccumulative
EC <sub>50</sub>	Effective Concentration of a substance that causes 50% of the maximum response after exposure for a nominated time

### LITERATURE REFERENCES AND SOURCES OF DATA:

OECD Guidelines for Testing of Chemicals  
Annex I: OECD Test Guidelines for Studies Included in SIDS  
Manual for the Assessment of Chemicals Chapter 2 Data Gathering  
International Toxicity Testing Guidelines  
Hazardous Chemical Information System (HCIS) - Guidance Material for Hazard Classifications  
Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.  
Model Work Health and Safety Regulations.  
Model Work Health and Safety Regulations - Transitional Principles  
Workplace Exposure Standards for Airborne Contaminants  
Australian Dangerous Goods Code 7<sup>th</sup> Edition  
Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)]  
Guidance on the Classification of Hazardous Chemicals under the WHS Regulations  
Assigning a Hazardous Substance to a Group Standard  
User Guide to the HSNO Thresholds and Classifications  
Summary User Guide to the HSNO Thresholds and Classifications of Hazardous Substances  
Correlation between GHS and New Zealand HSNO Hazard Classes and Categories  
HSNO Control Regulations  
Record of Group Standard Assignment  
Labelling of Hazardous Substances Hazard and Precautionary Information  
Thresholds and Classifications Under the Hazardous Substances and New Organisms Act 1996  
Workplace Exposure Standards and Biological Exposure Indices  
IMAP Human Health Tier II Assessment for Ethanol, 2-amino-, CAS Number: 141-43-5.  
IMAP Human Health Tier II Assessment for Ethanol, CAS Number: 64-17-5.  
IMAP Human Health Tier II Assessment for Ethoxylates of aliphatic alcohols (>C6), CAS Number: 69011-36-5.

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