

# SAFETY DATA SHEET

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

- 1.1 PRODUCT IDENTIFIER:** Stihl Universal Cleaner CU 100
- 1.2 PRODUCT CODE:** 0782 516 9100 1L; 0782 516 9101 5L
- 1.3 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST:**  
**RELEVANT IDENTIFIED USES:** Universal cleaner.  
**RESTRICTIONS ON USE:** None known.
- 1.4 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:**
- SUPPLIER NAME:** Stihl Pty Ltd (ABN: 76 004 881 145),  
**ADDRESS:** 5 Kingston Park Court, Knoxfield, Victoria, Australia, 3180  
9 Bishop Browne Place, East Tamaki, Auckland, New Zealand, 1730.  
**E-MAIL:** [csc@stihl.com.au](mailto:csc@stihl.com.au); [info@stihl.co.nz](mailto:info@stihl.co.nz)
- TELEPHONE NUMBER:** +61 3 9215 6666 (NZ: +64 9262 4000)
- 1.5 EMERGENCY TEL. NUMBER:** Poisons Information Centre (Aust 131 126; NZ 0800 764 766)
- 1.6 HSNO DETAILS:**  
**HSNO APPROVAL NUMBER:** Cleaning Products (Subsidiary Hazard) Group Standard 2020.  
**HSNO GROUP TITLE:** HSR002530.

## SECTION 2 – HAZARD(S) IDENTIFICATION

**2.1 CLASSIFICATION OF THE HAZARDOUS CHEMICAL:**  
**GHS CLASSIFICATION HAZARD**

**CLASS & CATEGORY:** The product has been assessed under the Model Work Health and Safety Regulations with the following Classification:  
Eye Damage/Irritation - Category 2A

**2.2 LABEL ELEMENTS INCLUDING PRECAUTIONARY STATEMENTS:**

**SIGNAL WORD:** Warning  
**PICTOGRAMS:**



- HAZARD STATEMENTS:** H319 - Causes serious eye irritation.
- PRECAUTIONARY STATEMENTS:**
- PREVENTION:** P102 - Keep out of reach of children.  
P103 - Read carefully and follow all instructions.  
P264 - Wash hands thoroughly after handling.  
P280 - Wear eye protection/face protection.
- RESPONSE:** P101 - If medical advice is needed, have product container or label at hand.  
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/attention.
- STORAGE:** Not Applicable.
- DISPOSAL:** Not Applicable.

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## SECTION 2 – HAZARD(S) IDENTIFICATION

**2.3 OTHER HAZARDS:** Excessive exposure may result in mild irritation to the skin or respiratory system as well as possible irritation to the eye. 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*
D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	1.0 - 2.0%	Eye Dam 1 - H318
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	147170-44-3	0.5 - 1.0 %	Eye Irrit 2A - H319 Acute Aq Tox 1 - H400 Chron Aq Tox 2 - H411
Propanoic acid, 2-hydroxy-, (S)- (L-Lactic acid)	79-33-4	0.5 - <1.0 %	Skin Irrit 2 - H315 Eye Dam 1 - H318
Other nonhazardous ingredients	-	To 100%	Not Applic

Not Applic = 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, 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:** If in eyes, hold eyelids apart and flush the eye immediately with large amounts of running water. Continue flushing for at least 15 minutes. 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 an eye irritant, after flushing, if irritation develops or persists, seek medical assistance.

**SKIN CONTACT:** If skin or hair contact has occurred remove any contaminated clothing and footwear, wash skin or hair thoroughly with soap and water. If irritation develops or persists, consult a doctor.

**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. Due to blend of ingredients, 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.

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## SECTION 4 – FIRST AID MEASURES Continued

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

**ACUTE:** As the product is rated as Causes serious eye irritation, eye contact may lead to localised burning, redness and tearing. Ingestion or inhalation of vapours may lead to irritation of the mouth and respiratory tract. Ingestion may lead to nausea. Skin contact may lead to redness or itching.

**CHRONIC:** Repeated or prolonged skin contact may also aggravate/exacerbate existing skin conditions, such as dermatitis.

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

**ADVICE TO DOCTOR:** Treat symptomatically.

## SECTION 5 – FIRE FIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA:

**SUITABLE MEDIA:** Use extinguishing media appropriate for surrounding fire. Use carbon dioxide, 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.

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

**COMBUSTION HAZARDS:** Combustion of the residual material after evaporation of the aqueous and component may produce oxides of carbon, sodium, phosphorus, nitrogen and sulphur, as well as smoke and irritating vapours.

### 5.3 ADVICE FOR FIREFIGHTERS:

**FIRE:** This product is not flammable under conditions of use. Once the aqueous component has evaporated, the residual component may be combustible. Keep storage tanks 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. If in doubt wear self-contained breathing apparatus.

**CONTROL MEASURES:** Ventilate area and extinguish and/or remove all sources of ignition. 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.

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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. 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. 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.

## 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 or splashes. 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. Always keep in containers made of the same material as the original one. 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. Always keep in containers made of the same material as the original one. Containers must be kept upright to prevent leakage. Protect the packaging from damage. When the packaged material is intact the product is deemed to be of limited hazard. Protect from frost. The recommended storage temperature is 20°C.

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

## SECTION 8 – EXPOSURE CONTROLS & PERSONAL PROTECTION

### 8.1 EXPOSURE CONTROL MEASURES:

**EXPOSURE LIMIT VALUES:** Exposure standards for the product have not been established.

### 8.2 BIOLOGICAL

**MONITORING:** No data available.

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

### 8.4 ENGINEERING CONTROLS:

**ENGINEERING CONTROLS:** Special ventilation is not normally required when using this product in normal use scenarios. However, in the operation of certain equipment, at elevated temperatures, or in confined spaces mists or vapour may be generated and local exhaust ventilation should be provided to maintain airborne concentrations at an acceptable level that does not cause irritation.

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## SECTION 8 – EXPOSURE CONTROLS & PERSONAL PROTECTION Cont'd

### 8.5 INDIVIDUAL PROTECTION MEASURES:

**EYE & FACE PROTECTION:** As a precaution, wear safety glasses/goggles to avoid eye contact when using the material. Use eye protection in accordance with AS 1336 and AS 1337.

**SKIN (HAND) PROTECTION:** If there is the potential for extended contact with the material, wear gloves to provide hand protection. Nitrile gloves are recommended.

**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:** Use only in well-ventilated areas. During routine operation, a respirator is not required. If irritating 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.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 PHYSICAL AND CHEMICAL PROPERTIES:

**APPEARANCE:** Green fluid.  
**ODOUR:** Wooden.  
**ODOUR THRESHOLD:** No data available.  
**pH (@ 20°C):** Typically 7.0 - 8.0.  
**MELTING/FREEZING POINT:** No data available.  
**INITIAL BOILING POINT:** ≥100 °C.  
**BOILING RANGE (°C):** No data available.  
**FLASHPOINT (°C):** No data available.  
**EVAPORATION RATE:** No data available.  
**FLAMMABILITY LIMITS (%):** No data available.  
**VAPOUR PRESSURE @ 20°C:** No data available.  
**VAPOUR DENSITY:** No data available.  
**DENSITY (g/mL @ 20°C):** Typically 1.04 - 1.06.  
**SOLUBILITY IN WATER(g/L):** Fully miscible.  
**PARTITION COEFFICIENT:** No data available for n-octanol/water.  
**AUTO-IGNITION TEMP (°C):** Product is not self-igniting.  
**DECOMPOSITION TEMP (°C):** No data available.  
**VISCOSITY (cSt @ 40°C):** < 20.5.

## 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 oxidising agents, including strong acids and strong alkalis. Hazardous polymerisation does not occur.

**10.4 CONDITIONS TO AVOID:** 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.

#### L-Lactic Acid

Oral - LD<sub>50</sub> (Rat, female):3,543 mg/kg bw

Oral - LD<sub>50</sub> (Rat, male):4,936 mg/kg bw

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

Inhalation - LC<sub>50</sub> (Rat, 4 hour): >7.94 mg/L

#### D-Glucopyranose, oligomeric, decyl octyl glycosides

Oral - LD<sub>50</sub> (Rat): >5,000 mg/kg (OECD 401)

Dermal - LD<sub>50</sub> (Rabbit): >2,000 mg/kg (OECD 402)

### 11.2 SWALLOWED:

This product is expected to have a low order of toxicity associated with it when ingested. It may cause slight irritation to the mouth, throat and digestive tract. During normal usage ingestion should not be a means of exposure.

### 11.3 SKIN CORROSION/IRRITATION:

This product is not expected to exhibit Dermal Corrosivity/Irritation based on the available data and the known hazards of the components. May be mildly irritating to the skin. The product contains a component rated as Causes skin irritation, however this is present well below the Concentration cut-off levels that would indicate that there is a potential hazard. Prolonged or repeated skin contact may lead to dryness and cracking. 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 serious eye irritation. Symptoms may include localised burning, redness and tearing. Correct handling procedures incorporating appropriate eye protection should minimise the risk of eye 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.

### 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 mists (generated by high temperatures or mechanical action) may cause irritation to the nose, throat & 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. Due to the blend of ingredients, if the product is ingested and the person has vomited, they should be observed to ensure there is no aspiration into the lungs.

**11.12 OTHER INFORMATION:** No other information is available.

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## SECTION 12 – ECOLOGICAL INFORMATION

<b>12.1 ECOTOXICITY:</b>	<b>D-Glucopyranose, oligomeric, decyl octyl glycosides</b> LC <sub>50</sub> (Brachydanio rerio): >100 mg/L (DIN EN ISO 7346-2) EC <sub>0</sub> (Pseudomonas putida): >100 mg/L (OECD 209/DIN 34812, part 8) EC <sub>50</sub> (Scenedesmus subspicatus): >10-100 mg/L (88/302/EWG, part C) EC <sub>50</sub> (Daphnia magna): >100 mg/L (OECD 202 / part 1) NOEC (Brachydanio rerio): >1-10 mg/L (OECD 204) NOEC (Daphnia magna): >1-10 mg/L (OECD 202)
	There is no data available for the product as a whole. The product contains a component that is rated as Very toxic to aquatic life and Toxic to aquatic life with long lasting effects, however this is present at amounts below the Concentration cut-off levels. Based upon the calculated values the product is not expected to be rated.
<b>12.2 PERSISTENCE &amp; DEGRADABILITY:</b>	There is no data available for the product as a whole.
<b>12.3 BIOACCUMULATIVE POTENTIAL:</b>	There is no data available for the product as a whole.
<b>12.4 MOBILITY IN SOIL:</b>	There is no data available for the product as a whole.
<b>12.5 OTHER ADVERSE EFFECTS:</b>	Do not allow product to enter drains, surface water, sewers or watercourses - inform local authorities if this occurs. The product is miscible in water.

## SECTION 13 – DISPOSAL CONSIDERATIONS

<b>13.1 DISPOSAL METHODS: PRODUCT:</b>	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.
<b>CONTAINERS:</b>	Empty containers may contain residual product. 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.

## SECTION 14 – TRANSPORT INFORMATION

This product is not regulated for land, sea or air transportation.

<b>14.1 LAND (ADG Code): UN NUMBER:</b>	Not applicable
<b>UN PROPER SHIPPING NAME:</b>	Not applicable
<b>TRANSPORT HAZARD CLASS(ES):</b>	Not applicable
<b>PACKAGING GROUP:</b>	Not applicable
<b>ENVIRONMENTAL HAZARDS:</b>	Not applicable
<b>SPECIAL PRECAUTIONS FOR USER:</b>	Not applicable
<b>HAZCHEM CODE:</b>	Not applicable

# SAFETY DATA SHEET

## SECTION 14 – TRANSPORT INFORMATION Continued

### 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

## SECTION 15 – REGULATORY INFORMATION

### 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS: APPLICABLE REGULATIONS:

**SUSMP:** Not scheduled.  
**AIC:** All ingredients are on the AIC.  
**MONTREAL PROTOCOL:** Not applicable to this product.  
**STOCKHOLM CONVENTION:** Not applicable to this product.  
**ROTTERDAM CONVENTION:** Not applicable to this product.  
**BASEL CONVENTION:** Not applicable to this product.  
**INTERNATIONAL CONVENTION FOR THE PREVENTION OF POLLUTION FROM SHIPS (MARPOL):** Not applicable to this product.

### OTHER REGULATORY INFORMATION:

#### GHS CLASSIFICATION HAZARD CLASS & CATEGORY

**AND HAZARD STATEMENT:** Skin Corrosion/Irritation Category 2; H315 - Causes skin irritation.  
Eye Damage/Irritation Category 1; H318 - Causes serious eye damage.  
Eye Damage/Irritation Category 2A; H319 - Causes serious eye irritation.  
Acute Aquatic Toxicity Category 1; H400 - Very toxic to aquatic life.  
Chronic Aquatic Toxicity Category 2; H411 - Toxic to aquatic life with long lasting effects.

**HSNO APPROVAL NUMBER:** Cleaning Products (Subsidiary Hazard) Group Standard 2020.

**HSNO GROUP TITLE:** HSR002530.



# SAFETY DATA SHEET

## SECTION 16 – ANY OTHER RELEVANT INFORMATION

### SDS INFORMATION:

Date of SDS Preparation: 21st February 2023

Revision: 0.1

REVISION CHANGES: Review against GHS Version 7, updates to Sections 1, 9 and 15.

### 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
NICNAS	National Industrial Chemicals Notification & Assessment Scheme
IMAP	Inventory Multi-Tiered Assessment and Prioritisation
AIIC	Australian Inventory of Industrial Chemicals
TWA	Time-Weighted Average
STEL	Short Term Exposure Limit
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
vPvB	Very Persistent and Very Bioaccumulative

### 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 Substance Information System - 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

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## SECTION 16 – ANY OTHER RELEVANT INFORMATION Continued

### LITERATURE REFERENCES AND SOURCES OF DATA (Continued):

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

Australian Industrial Chemicals Introduction Scheme Evaluation Statement EVA00011 (14<sup>th</sup> January 2022): Lactic Acid Isomers including CAS Number: 79-33-4.

All information contained in this Safety Data Sheet and the health, safety and environmental information are considered to be accurate to the best of our knowledge as of the issue date specified above. The information presented here within, is based upon the product information supplied by the manufacturer. However, no warranty or representation, expressed or implied, is made as to the accuracy or completeness of the data and information contained in this data sheet.

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Company accepts no responsibility for any injury, loss or damage, resulting from abnormal use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material.