

# SAFETY DATA SHEET

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

**1.1 PRODUCT IDENTIFIER:** Stihl Varioclean

**1.2 PRODUCT CODE:** 7004 871 0439, 7004 516 0003

**1.3 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST:**  
**RELEVANT IDENTIFIED USES:** Special cleaning agent for washing and cleaning products, including solvent based products. This product will dissolve resins and oils.

**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, 2013.  
**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))

**HSNO APPROVAL NUMBER:** HSR002526.

**HSNO GROUP TITLE:** Cleaning Products (Corrosive) Group Standard 2020.

## 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:  
Corrosive to Metals - Category 1  
Skin Corrosion/Irritation - Category 1B  
Chronic Aquatic Toxicity - Category 3

### 2.2 LABEL ELEMENTS INCLUDING PRECAUTIONARY STATEMENTS:

**SIGNAL WORD:** Danger.

**PICTOGRAMS:**



**HAZARD STATEMENTS:** H290 - May be corrosive to metals.  
H314 - Causes severe skin burns and eye damage.  
H412 - Harmful to aquatic life with long lasting effects.

### PRECAUTIONARY STATEMENTS:

**PREVENTION:** P102 - Keep out of reach of children.  
P103 - Read carefully and follow all instructions.  
P234 - Keep only in original packaging.  
P260 - Do not breathe vapour, mists or spray.  
P264 - Wash hands thoroughly after handling.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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## SECTION 2 – HAZARD(S) IDENTIFICATION Continued

**RESPONSE:** P101 - If medical advice is needed, have product container or label at hand.  
P301+P330+P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
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 or doctor/physician.  
P363 - Wash contaminated clothing before reuse.  
P390 - Absorb spillage to prevent material damage.

**STORAGE:** P405 - Store locked up.  
P406 - Store in corrosive resistant container with a resistant inner liner.

**DISPOSAL:** P501 - Dispose of contents/container in accordance with local regulations.

**2.3 OTHER HAZARDS:** This is a Schedule 6 Poison. The product is rated as corrosive. The product may be severely irritating to the respiratory system in scenarios where it is sprayed onto surfaces and resulting vapours or mists inhaled. 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*
Silicic acid, disodium salt (Disodium metasilicate; Disodium trioxosilicate)	6834-92-0	5% - < 10%	Corr to Met 1 - H290 Skin Corr 1B - H314 STOT SE 3 - H335
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts (Babassuamidopropyl Betaine)	147170-44-3	5% - < 10%	Eye Dam 1 - H318 Chron Aq Tox 2 - H411
Other non-hazardous 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:** If swallowed, Rinse mouth out with water. Do NOT induce vomiting. Seek medical advice immediately. As the product is rated as corrosive, for advice, contact a Poisons Information Centre (Phone Australia 131 126; New Zealand 0800 764 766) or a doctor at once. Never give fluid to a person exhibiting decreased awareness. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.

**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 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 (Phone Australia 131 126; New Zealand 0800 764 766) or doctor/physician.

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## SECTION 4 – FIRST AID MEASURES Continued

- SKIN CONTACT:** If skin or hair contact has occurred remove any contaminated clothing and footwear, wash skin or hair thoroughly with soap and water. As the product is rated as a Corrosive that Causes severe skin burns, after flushing, immediately call a Poisons Information Centre (Phone Australia 131 126; New Zealand 0800 764 766) or doctor/physician.
- 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 or persists, consult a doctor. As the product is a corrosive, if vapours are inhaled and the person has difficulty breathing, immediately call a Poisons Information Centre (Phone Australia 131 126; New Zealand 0800 764 766) or doctor/physician.
- PROTECTION FOR FIRST AIDERS:** No person shall place themselves in a situation that is potentially hazardous to themselves. Assess the environment for corrosive vapours or mists to determine PPE requirements before entering. Do not enter contaminated area without a respirator. PLEASE NOTE: As the product is corrosive, if the person has inhaled or 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, or at least a source of flowing water, are required in the area where the product is used.
- 4.2 MOST IMPORTANT SYMPTOMS & EFFECTS, BOTH ACUTE & DELAYED, CAUSED BY EXPOSURE:**
- ACUTE:** The product is rated as Causes severe skin burns and eye damage. Eye contact may lead to severe burns, redness, pain, swelling, tearing and blurred vision, as well as permanent eye damage in a worst case scenario. Skin contact may lead to irritation and possible skin burns. Inhalation of vapours may lead to severe irritation of the mouth and upper respiratory tract with a burning sensation, pain, burns and inflammation in the nose and throat; there may also be coughing, wheezing, tightness in the chest or difficulty breathing. Ingestion of the product could lead to severe gastrointestinal tract irritation with nausea, vomiting and potentially burns.
- CHRONIC:** Skin contact may aggravate/exacerbate existing skin conditions, such as dermatitis. Chronic inhalation may lead to symptoms as for acute inhalation as mentioned above.
- 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NECESSARY:**
- ADVICE TO DOCTOR:** Treat symptomatically. The product is corrosive and may cause severe damage if ingested or in contact with the skin and eyes, or by inhalation of vapours or spray mists.

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## 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 spray. Spray down fumes resulting from fire.

**UNSUITABLE MEDIA:** Caution should be exercised with water as product is fully miscible.

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

**COMBUSTION HAZARDS:** Combustion of the residual material will produce oxides of carbon, silicon and sodium, as well as small amounts of nitrogen, smoke and irritating vapours.

### 5.3 ADVICE FOR FIREFIGHTERS:

**FIRE:** This product is not combustible. Keep storage tanks, pipelines, fire exposed surfaces, etc. cool with water spray.

**HAZCHEM CODE:** 2R.

**EXPLOSION:** No information to indicate that the product is an explosion hazard. 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 small spills, wear Nitrile or chloroprene rubber gloves, glasses/goggles, boots and full-length clothing. Do not walk through the spill. During routine operation a respirator is not required. However, if mists or vapours are generated, an approved inorganic vapours and gases/acid gases/particulate respirator is required. For large spills, or in confined spaces, a full chemically resistant body-suit with self-contained breathing apparatus is required.

**CONTROL MEASURES:** Evacuate all personnel from the spill area. Ventilate spill area and isolate until any vapours have dissipated. Never enter a spill area unless you know the vapours have dissipated to make the area safe. **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.

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

**CONTAINMENT:** Do not enter the spill area until any vapours have dissipated. 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 residual spill material, 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 residual material can be pumped into vessels and returned for reprocessing or destruction. Personnel must wear the appropriate clothing as required in Section 6.1 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.

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## 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. Always open containers of corrosive liquids carefully to avoid splashes. Use only in well ventilated areas and avoid breathing mists or vapours. Do not smoke when handling the material. Prevent small spills and leakage to avoid slip hazards. Properly dispose of any contaminated rags or cleaning materials. 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. 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:** Classified as a Class 8 Corrosive Liquid. Store in a dry, well ventilated area away from direct sunlight, oxidising agents including strong acids, foodstuffs, animal feedstuff and clothing. The store should have an alkaline resistant floor. Keep containers closed when not in use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store only in original containers. It is recommended that the product is stored below 20°C. Do not allow to freeze.

**INCOMPATIBILITIES:** Oxidising substances including strong acids.

## SECTION 8 – EXPOSURE CONTROLS & PERSONAL PROTECTION

### 8.1 EXPOSURE CONTROL MEASURES:

**EXPOSURE LIMIT VALUES:** Exposure standards for the product have not been established. There are no known exposure standards for mists or vapours for the hazardous components.

### 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 concentration levels below an acceptable level that does not cause irritation.

### 8.5 INDIVIDUAL PROTECTION MEASURES:

**EYE & FACE PROTECTION:** Wear safety glasses/goggles to avoid eye contact when handling. If there is a risk of splashing during use, 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 contact with the material wear gloves to provide hand protection. Nitrile or chloroprene rubber 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:** During routine operation a respirator is not required. However, if mists or vapours are generated, an approved half face inorganic vapours and gases/acid gases/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>	Light yellow liquid.
<b>ODOUR:</b>	Characteristic odour.
<b>ODOUR THRESHOLD:</b>	No data available.
<b>pH @ 20°C:</b>	Typically 12.5 - 13.5 (concentrate), 10.0 - 11.0 (10g/L solution).
<b>MELTING/FREEZING POINT:</b>	No data available.
<b>INITIAL BOILING POINT:</b>	Typically $\geq 100^{\circ}\text{C}$ .
<b>BOILING RANGE (°C):</b>	No data available.
<b>FLASHPOINT (°C):</b>	Not applicable.
<b>EVAPORATION RATE:</b>	No data available.
<b>FLAMMABILITY LIMITS (%):</b>	Not applicable.
<b>VAPOUR PRESSURE (kPa):</b>	No data available.
<b>VAPOUR DENSITY:</b>	No data available.
<b>DENSITY (g/mL @ 20°C):</b>	Typically 1.10 - 1.12.
<b>SOLUBILITY IN WATER(g/L):</b>	Fully miscible in water.
<b>PARTITION COEFFICIENT:</b>	No data available.
<b>AUTO-IGNITION TEMP (°C):</b>	No data available.
<b>DECOMPOSITION TEMP (°C):</b>	No data available.
<b>VISCOSITY (cSt @ 100°C):</b>	No data available.
<b>VISCOSITY (cSt @ 40°C):</b>	No data available.
<b>FLOW TIME @ 20°C:</b>	10 - 15 seconds (ISO 2431; 4mm).

## 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, such as strong acids. Exothermic reactions occur with strong acids. Hazardous polymerisation does not occur.
- 10.4 CONDITIONS TO AVOID:** Observe the usual precautionary measures for handling chemicals. Do not heat the container, leave it in direct sunlight or leave the container open when not in use.
- 10.5 INCOMPATIBLE MATERIALS:** Strong oxidising agents including concentrated acids. May be corrosive to some metals.
- 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.

## 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 or the components.

#### **1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd.) acyl derivs, inner salts:**

Oral - LD<sub>50</sub> (Rat): > 5,000 mg/kg bw  
Dermal - LD<sub>50</sub> (Rat): >2,000 mg/kg bw

### 11.2 SWALLOWED:

This product may lead to severe irritation of the mouth and upper respiratory tract with a burning sensation, pain, burns and inflammation in the nose and throat; there may also be coughing, wheezing, tightness in the chest or difficulty breathing. Ingestion of the product could lead to severe gastrointestinal tract irritation with nausea, vomiting and potentially burns due to the presence of Sodium metasilicate. During normal usage ingestion should not be a means of exposure.

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## SECTION 11 – TOXICOLOGICAL INFORMATION Continued

### 11.3 SKIN CORROSION/ IRRITATION:

This product is rated by calculation as Corrosive, causes severe skin burns. Symptoms may include itchiness, dryness or cracking, flushing, burning sensation, inflammation, erythema (redness), oedema (swelling) and in the worst case scenario skin burns. Prolonged or repeated contact may cause defatting of the skin which may lead to dermatitis. 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 Corrosive, causes severe eye damage. Eye contact may lead to severe burns, redness, pain, swelling, tearing and blurred vision, as well as permanent eye damage in a worst case scenario. Contact may cause corneal burns. Effects may be slow to heal after eye contact. 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 according to the available data and the known hazards of the components.

### 11.7 CARCINOGENICITY:

The product is not expected to be a carcinogen according to the available data and the known hazards of the components.

### 11.8 REPRODUCTIVE TOXICITY:

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

### 11.9 SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE:

There is no data available for the product as a whole. 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:

There is no data available for the product as a whole. 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 classified as an aspiration hazard, based on the available data and the known hazards of the components. However, due to the corrosive nature of the product and its rating as a Schedule 6 Poison if swallowed, do NOT induce vomiting. If vomiting has occurred after ingestion the person should be observed to ensure that aspiration into the lungs has not occurred and also assessed for chemical burns to the gastrointestinal and respiratory tracts.

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

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## SECTION 12 – ECOLOGICAL INFORMATION

- 12.1 ECOTOXICITY:** The manufacturer nominates the following Ecotoxicity data:  
**Silicic acid, disodium salt**  
LC<sub>50</sub> (Brachydanio rerio, 96hr): 210mg/L.  
EC<sub>50</sub> (Daphnia magna, 96hr): 216mg/L.  
EC<sub>0</sub> (Pseudomonas putida): > 1000mg/L.
- 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd.) acyl derivs, inner salts:**  
LC<sub>50</sub> (Pimephales promelas): 1-10mg/L. (OECD 203)  
EC<sub>0</sub> (Pseudomonas putida): > 100mg/L. (OECD 209)  
EC<sub>50</sub> (Daphnia magna, 96hr): 1-10mg/L. (OECD 202)  
EC<sub>50</sub> (Desmodesmus subspicatus): 1-10mg/L. (OECD 201)  
NOEC (Oncorhynchus mykiss): ≤1mg/L. (OECD 210)  
NOEC (Daphnia magna): ≤1mg/L. (OECD 211)
- There is no data available for the product as a whole. Based upon calculated values, the overall product would be expected to be rated as Harmful to aquatic life with long lasting effects.
- 12.2 PERSISTENCE & DEGRADABILITY:** There is no data available for the product as a whole. The surface-active substances contained in the product meet the requirements of the EU Detergent Regulation (EC/648/2004) for ultimate biodegradability for surfactants in detergents.
- 12.3 BIOACCUMULATIVE POTENTIAL:** There is no data available for the product as a whole.
- 12.4 MOBILITY IN SOIL:** There is no data available for the product as a whole.
- 12.5 OTHER ADVERSE EFFECTS:** The manufacturer nominates not to allow undiluted product or large quantities to reach ground water, water courses or the sewage system.

## 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.
- CONTAINERS:** Empty containers may contain residual product. Containers should be completely drained in a well ventilated area where vapours cannot accumulate 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.



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## SECTION 14 – TRANSPORT INFORMATION

This product is regulated for land, sea or air transportation.

**PLEASE NOTE:** A Limited Quantities package size of <5kg applies to this product.

### 14.1 LAND (ADG Code):

**UN NUMBER:** 1719  
**UN PROPER SHIPPING NAME:** CAUSTIC ALKALI LIQUID, N.O.S. (Contains Disodium trioxosilicate)  
**TRANSPORT HAZARD CLASS(ES):** 8  
**PACKAGING GROUP:** III  
**ENVIRONMENTAL HAZARDS:** Yes  
**SPECIAL PRECAUTIONS FOR USER:** 223, 274  
**HAZCHEM CODE:** 2R

### 14.2 SEA (IMDG):

**UN NUMBER:** 1719  
**UN PROPER SHIPPING NAME:** CAUSTIC ALKALI LIQUID, N.O.S. (Contains Disodium trioxosilicate)  
**TRANSPORT HAZARD CLASS(ES):** 8  
**PACKAGING GROUP:** III  
**ENVIRONMENTAL HAZARDS:** Yes  
**SPECIAL PRECAUTIONS FOR USER:** 223, 274.

### 14.3 AIR (IATA):

**UN NUMBER:** 1719  
**UN PROPER SHIPPING NAME:** CAUSTIC ALKALI LIQUID, N.O.S. (Contains Disodium trioxosilicate)  
**TRANSPORT HAZARD CLASS(ES):** 8  
**PACKAGING GROUP:** III  
**ENVIRONMENTAL HAZARDS:** Yes  
**SPECIAL PRECAUTIONS FOR USER:** A3, A803.

## SECTION 15 – REGULATORY INFORMATION

### 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS:

#### APPLICABLE REGULATIONS:

**SUSMP:** Schedule 6 (S6).  
**AICS:** All ingredients are on the AICS List.  
**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.

# SAFETY DATA SHEET

## SECTION 15 – REGULATORY INFORMATION Continued

### OTHER REGULATORY INFORMATION:

#### GHS CLASSIFICATION HAZARD CLASS & CATEGORY

**AND HAZARD STATEMENT:** Corrosive to Metals Category 1; H290 - May be corrosive to metals.  
Skin Corrosion/Irritation Category 1B; H314 - Causes severe skin burns and eye damage.  
Eye Damage/Irritation Category 1; H318 - Causes serious eye damage.  
Specific Target Organ Toxicity (Single Exposure) Category 3; H335 - May cause respiratory irritation.  
Chronic Aquatic Toxicity Category 2; H411 - Toxic to aquatic life with long lasting effects.  
Chronic Aquatic Toxicity Category 3; H412 - Harmful to aquatic life with long lasting effects.

**HSNO APPROVAL NUMBER:** HSR002526.

**HSNO GROUP TITLE:** Cleaning Products (Corrosive) Group Standard 2020.

## SECTION 16 – ANY OTHER RELEVANT INFORMATION

### SDS INFORMATION:

**Date of SDS Preparation:** 15<sup>th</sup> February 2023

**Revision:** 2.2

**REVISION CHANGES:** Review against GHS 7 and update.

### 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
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
NICNAS	National Industrial Chemicals Notification & Assessment Scheme
IMAP	Inventory Multi-Tiered Assessment and Prioritisation
AICS	Australian Inventory of Chemical Substances
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.

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## SECTION 16 – ANY OTHER RELEVANT INFORMATION Continued

### 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 (HSIS) - 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  
NICNAS IMAP Human Health Tier II Assessment for Soluble Silicates

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