



# SAFETY DATA SHEET

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

- 1.1 PRODUCT IDENTIFIER:** Stihl Vehicle Cleaner CC 100
- 1.2 PRODUCT CODE:** 0782 516 9300-1L, 0782 516 9301-5L
- 1.3 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST:**  
**RELEVANT IDENTIFIED USES:** vehicle cleaning product.  
**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:** Not Applicable.  
**HSNO GROUP TITLE:** Not Applicable.

## SECTION 2 – HAZARD(S) IDENTIFICATION

- 2.1 CLASSIFICATION OF THE HAZARDOUS CHEMICAL:**  
**GHS CLASSIFICATION HAZARD**  
**CLASS & CATEGORY:** Under the Model Work Health and Safety Regulations, the product would not be classified as hazardous.
- 2.2 LABEL ELEMENTS INCLUDING PRECAUTIONARY STATEMENTS:**  
**SIGNAL WORD:** Not Applicable.  
**PICTOGRAMS:** Not Applicable.  
**HAZARD STATEMENTS:** Not Applicable.
- PRECAUTIONARY STATEMENTS:**  
**PREVENTION:** Not Applicable.  
**RESPONSE:** Not Applicable.  
**STORAGE:** Not Applicable.  
**DISPOSAL:** Not Applicable.
- 2.3 OTHER HAZARDS:** The mixture has a low order of toxicity associated with it. May cause gastric irritation if swallowed. 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.

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## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

| INGREDIENTS  | CAS NUMBER | Concentration<br>% W/W | GHS<br>Classification*                                       |
|--|------------|------------------------|--|
| 1,2,3-Propanetriol   | 56-81-5    | 3.0 - 5.0 %            | Non Applic   |
| Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-,<br>branched | 69011-36-5 | 0.5 - <1.0 %           | Acut Tox 4 - H302<br>Skin Irrit 2 - H315<br>Eye Dam 1 - H318 |
| Ethanol, 2-phenoxy-  | 122-99-6   | < 0.5 %                | Acut Tox 4 - H302<br>Eye Irrit 2A - H319                     |
| Acetic acid  | 64-19-7    | < 0.05 %               | Flam Liq 3 - H226<br>Skin Corr 1B - H314                     |
| 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. 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.

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

**ACUTE:** Ingestion or inhalation of vapours may lead to irritation of the mouth and respiratory tract. Ingestion may lead to nausea and diarrhoea. Eye contact may lead to localised burning, redness and tearing. 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.

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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 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, nitrogen and sulphur, as well as small amounts of sodium, 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.

### 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.

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## SECTION 6 – ACCIDENTAL RELEASE MEASURES Continued

**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. The following values are applicable for the individual components:

**Glycerin (mist):**

TWA: 10 mg/m<sup>3</sup>

**Acetic acid:**

TWA: 10 ppm    25 mg/m<sup>3</sup>    STEL: 15 ppm    37 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:** 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 the nominated exposure standards and 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 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 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:** Blue fluid.  
**ODOUR:** Waxen  
**ODOUR THRESHOLD:** No data available.  
**pH (@ 20°C):** Typically 4.5 - 5.5.  
**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 1.00 - 1.02.  
**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.

### 11.2 SWALLOWED:

This product is expected to have a low order of toxicity associated with it when ingested. The product contains components rated as Harmful if swallowed, however these are present well below the Concentration cut-off levels that would indicate that there is a potential hazard. 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 components rated as Causes severe skin burns and Causes skin irritation, however these are 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:

This product is not expected to exhibit Eye Irritation or Serious Damage/Corrosivity based on the available data and the known hazards of the components according to the manufacturer. This product contains components that are rated as Causes serious eye irritation and Causes severe eye damage, however these are present at amounts below the Concentration cut-off levels. 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/mist (generated at elevated temperatures or by 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

- 12.1 ECOTOXICITY:** There is no data available for the product as a whole. Based upon the calculated values the product is not expected to be rated.
- 12.2 PERSISTENCE & DEGRADABILITY:** There is no data available for the product as a whole. According to the manufacturer, the surface-active substances contained in the product meet the requirement 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:** 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

- 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. 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.

- 14.1 LAND (ADG Code):**
- UN NUMBER:** Not applicable
- UN PROPER SHIPPING NAME:** Not applicable
- TRANSPORT HAZARD CLASS(ES):** Not applicable
- PACKAGING GROUP: 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: ENVIRONMENTAL HAZARDS:** Not applicable
- SPECIAL PRECAUTIONS FOR USER:** Not applicable

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## SECTION 14 – TRANSPORT INFORMATION Continued

**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:** Flammable Liquids Category 3; H226 - Flammable liquid and vapour.  
Acute Toxicity - Oral Category 4; H302 - Harmful if swallowed.  
Skin Corrosion/Irritation Category 1B; H314 - Causes severe skin burns and eye damage.  
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.

**HSNO APPROVAL NUMBER:** Not applicable.

**HSNO GROUP TITLE:** Not applicable.

## SECTION 16 – ANY OTHER RELEVANT INFORMATION

### SDS INFORMATION:

**Date of SDS Preparation:** 21<sup>st</sup> February 2023

**Revision:** 0.1

**REVISION CHANGES:** Review against GHS Version 7, updates to Sections 1, 9 & 12.

### 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



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## SECTION 16 – ANY OTHER RELEVANT INFORMATION Continued

### ACRONYMS (Continued):

|                  |  |
|------------------|--|
| 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  
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

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.