



# SAFETY DATA SHEET

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

1.1 PRODUCT IDENTIFIER: Urinal Screen Ocean

1.2 PRODUCT CODE: UM-OCEAN-250

### 1.3 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST:

**RELEVANT IDENTIFIED USES:** Toilet Urinal deodoriser.  
**RESTRICTIONS ON USE:** This is a plastic device incorporating air freshener for urinals that contains hazardous components that leads to a hazardous rating by calculation for the product. The rating in the Safety Data Sheet is applicable for Occupational Risk Characterisation. This information is appropriate for incidents, such as spills, or when the person is depositing the device in the urinal. Once deposited, contact with the chemical components of the product should not occur. For use scenarios, where the product is being used in its capacity as a urinal freshener, labelling will be consistent with the requirements for similar products that contain these types of components and will contain the statement "Keep out of reach of children". Use only as directed. Avoid contact with the plastic device and wash hands after use.

### 1.4 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

**SUPPLIER NAME:** CleanStar Australia Pty Ltd

**ABN:** 51 121 002 104

**ADDRESS (Australia):** 59 Radford Road  
Reservoir  
VIC, Australia, 3073

**WEBSITE:** [cleanstar.com.au](http://cleanstar.com.au)

**TELEPHONE NUMBER (Australia):** 03 9460 5655

**1.5 EMERGENCY TEL. NUMBER:** Australia: 0407 367680  
(Poisons Information Centre 131 126)

## 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 be rated as Hazardous:

Chronic Aquatic Toxicity - Category 2

### 2.2 LABEL ELEMENTS INCLUDING PRECAUTIONARY STATEMENTS:

**SIGNAL WORD:** Not applicable.

**PICTOGRAMS:**



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## SECTION 2 – HAZARD(S) IDENTIFICATION Continued

**HAZARD STATEMENTS:** H411 - Toxic to aquatic life with long lasting effects.

**PRECAUTIONARY STATEMENTS:**

**PREVENTION:** P102 - Keep out of reach of children.  
P103 - Read label before use.  
P273 - Avoid release to the environment.

**RESPONSE:** P101 - If medical advice is needed, have product container or label at hand.  
P391 - Collect Spillage.

**STORAGE:** Not Applicable.

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

**2.3 OTHER HAZARDS\*:** Any hazards are associated with the product if people come into direct contact with the product (Urinal Freshener). Under normal use scenarios this would be unlikely, with the most likely scenario being, during initial handling, and accidentally touching eyes, skin, hair, food etc. They also represent the hazards the product may create, in the scenario of the packaging being damaged or a large scale incident, such as a spill. Once deposited, in normal use scenarios, contact with the chemical components should not occur. Excessive exposure to vapours may result in irritation to the respiratory system. 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*
Jiale Musk (Galaxolide)	1222-05-5	3%	Acut Aq Tox 1 - H400 Chron Aq Tox 1 - H410
Vanillin	121-33-5	0.6%	Acut Oral Tox 4 - H302 Skin Sens 1 - H317 Eye Irrit 2 - H319
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 the device is placed into the mouth, rinse the mouth out with water. Due to the blend of ingredients present, the manufacturer recommends that if ingested, 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 or a burning sensation develops or persists or vomiting has occurred after ingestion, call a Poisons Information Centre (Tel. Australia 13 11 26; New Zealand 0800 764 766) or doctor/physician.

**EYE:** If there is contact with the 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. If irritation develops or persists, seek medical assistance.

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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. While the product is not rated as May cause an allergic reaction, it does contain Vanillin; after flushing, if skin irritation or rash occurs, seek medical assistance.
- 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 person shall place themselves in a situation that is potentially hazardous to themselves. No personnel shall place themselves in a situation that is potentially hazardous to themselves. Due to the nature of the product, 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 or at least a source of running water are required in the area where the product is used.
- 4.2 MOST IMPORTANT SYMPTOMS & EFFECTS, BOTH ACUTE & DELAYED, CAUSED BY EXPOSURE:**
- ACUTE:** Skin contact may lead to redness or itching. Ingestion of the product could lead to gastrointestinal tract irritation with nausea and vomiting. Eye contact may lead to localised burning, redness and tearing. Inhalation of vapours may lead to irritation of the mouth and respiratory tract.
- CHRONIC:** While the product is not rated as May cause an allergic skin reaction, this product contains Vanillin. Skin contact may 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 or water spray. Spray down fumes resulting from fire.
- UNSUITABLE MEDIA:** Avoid using full water jet directed at residual burning material. Water may cause splattering on hot residue.
- 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:**
- COMBUSTION HAZARDS:** Combustion of the material may produce oxides of carbon as well as smoke and irritating vapours.
- 5.3 ADVICE FOR FIREFIGHTERS:**
- FIRE:** This product contains fragrance components in a polymer base and would be combustible in a fire scenario. 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:** 2Z.
- EXPLOSION:** No information to indicate that the product is an explosion hazard. Extinguish all sources of flame or spark.
- 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.

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## SECTION 6 – ACCIDENTAL RELEASE MEASURES

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

**PERSONAL PROTECTION:** For small spills, wear Nitrile gloves, glasses/goggles, boots and full-length clothing. During routine operation for a small spill in the open, where any vapours will be dissipated, a respirator would not be required. For large spills, or in confined spaces, a full chemically resistant body-suit and self-contained breathing apparatus is recommended.

**CONTROL MEASURES:** Ventilate area and extinguish and/or remove all sources of ignition. **CAUTION:** The spilled product will be a trip hazard. 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:** Observe all personal protective equipment recommendations described in this Safety Data Sheet. Shovel or sweep up material and place into clean, dry, suitably labelled containers and close lids tightly. If there is the possibility of spills or rinsings 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. Follow local regulations for the disposal of waste. Personnel must wear the appropriate protection as mentioned in Section 6.1 during cleaning procedures. Wash contaminated area and objects with large volumes of detergent and water after spill has been cleared. Rinse the cleaned area with water.

## 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, full-length clothing and an apron. Avoid inhalation of vapours. 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 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:** Store in a cool, dry, well-ventilated area away from heat and ignition sources, combustible materials, reducing agents, organic materials, strong acids and alkalis, foodstuffs and clothing. It is recommended to store the product at below 30°C. Keep containers closed when not in use.

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

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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.

### 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 scenarios, such as a spill, if vapours are generated local exhaust ventilation should be provided to maintain airborne concentration levels at 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. Use eye protection in accordance with AS 1336 and AS 1337.

**SKIN (HAND) PROTECTION:** When handling the product, personnel must wear gloves to provide hand protection. Vinyl or Nitrile 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.

### 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 vapours are generated at a level that is uncomfortable to the individual, 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:** Solid  
**ODOUR:** Characteristic fragrance.  
**ODOUR THRESHOLD:** Not applicable.  
**pH @ 20°C:** Not applicable.  
**MELTING/FREEZING POINT:** Not applicable.  
**INITIAL BOILING POINT:** >170°C.  
**BOILING RANGE (°C):** Not applicable.  
**FLASHPOINT (°C):** Not applicable.  
**EVAPORATION RATE:** Not applicable.  
**FLAMMABILITY LIMITS (%):** Not applicable.  
**VAPOUR PRESSURE (kPa):** Not applicable.  
**VAPOUR DENSITY:** Not applicable.  
**DENSITY (g/mL @ 20°C):** Not applicable.  
**SOLUBILITY IN WATER(g/L):** Released chemicals are soluble.  
**PARTITION COEFFICIENT:** Not applicable.  
**AUTO-IGNITION TEMP (°C):** Typically 343°C.  
**DECOMPOSITION TEMP (°C):** Not applicable.  
**VISCOSITY (cSt @ 100°C):** Not applicable.  
**VISCOSITY (cSt @ 40°C):** Not applicable.

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## 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. 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 it in direct sunlight. Keep containers closed when not in use. Avoid extreme temperatures. It is recommended to store the product at below 30°C.
- 10.5 INCOMPATIBLE MATERIALS:** Strong oxidising agents, including acids.
- 10.6 HAZARDOUS DECOMPOSITION PRODUCTS:** Hazardous decomposition products are not expected to form during normal storage requirements.

## 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. 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. 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 Serious Eye Damage/Irritation, based on the available data and the known hazards of the components. May be mildly irritating to the eyes. Symptoms may include localised burning, redness and tearing. The product contains a component rated as Causes serious eye irritation, however this is present at amounts below the Concentration cut-off levels. Correct handling procedures incorporating appropriate eye protection should minimise the risk of eye irritation.
- 11.5 RESPIRATORY OR SKIN SENSITISATION:** While this product is not rated as a May cause an allergic skin reaction, it does contain Vanillin that is known to cause allergic skin reactions but at levels below the nominated cut-off level. 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:** The 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.

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## SECTION 11 – TOXICOLOGICAL INFORMATION Continued

### 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 (generated due to incidents) may cause irritation to the nose, throat and respiratory system. However, in normal use scenarios it is unlikely that any airborne vapours will be generated at a level that would be irritating.

### 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 as stated by the manufacturer.

**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. If swallowed, rinse the mouth out and 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.

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

## SECTION 12 – ECOLOGICAL INFORMATION

### 12.1 ECOTOXICITY:

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 Toxic to aquatic life with long lasting effects.

### 12.2 PERSISTENCE & DEGRADABILITY:

There is no data available.

### 12.3 BIOACCUMULATIVE POTENTIAL:

There is no data available.

### 12.4 MOBILITY IN SOIL:

There is no data available.

### 12.5 OTHER ADVERSE EFFECTS:

Do not allow the product to reach ground water, water courses or sewage systems.

## 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 waste at an appropriate collection depot. Spilled product that cannot be recovered should be carefully shovelled, into a suitable waste container, such as a plastic drum with a tight-fitting lid, 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 emptied and then stored until disposed of. Empty containers should be taken for recycling after cleaning or for 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:** 3077

**UN PROPER SHIPPING NAME:**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Contains Ethylene Undecanedicarboxylate, Galaxolide, Bergamot Oil, Pentadecalactone and Ambrettolide)

### TRANSPORT HAZARD

**CLASS(ES):** 9

**PACKAGING GROUP:** III

### ENVIRONMENTAL

**HAZARDS:** Yes

### SPECIAL PRECAUTIONS

**FOR USER:** 274, 331, 335, 375, AU01

**HAZCHEM CODE:** 2Z

### 14.2 SEA (IMDG):

**UN NUMBER:** 3077

**UN PROPER SHIPPING NAME:**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Contains Ethylene Undecanedicarboxylate, Galaxolide, Bergamot Oil, Pentadecalactone and Ambrettolide)

### TRANSPORT HAZARD

**CLASS(ES):** 9

**PACKAGING GROUP:** III

### ENVIRONMENTAL

**HAZARDS:** Yes

### SPECIAL PRECAUTIONS

**FOR USER:** 274, 335, 966, 967, 969

### 14.3 AIR (IATA):

**UN NUMBER:** 3077

**UN PROPER SHIPPING NAME:**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Contains Ethylene Undecanedicarboxylate, Galaxolide, Bergamot Oil, Pentadecalactone and Ambrettolide)

### TRANSPORT HAZARD

**CLASS(ES):** 9

**PACKAGING GROUP:** III

### ENVIRONMENTAL

**HAZARDS:** Yes

### SPECIAL PRECAUTIONS

**FOR USER:** A97, A158, A179, A197.



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## SECTION 15 – REGULATORY INFORMATION

### 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS:

#### APPLICABLE REGULATIONS:

**SUSMP:** Not applicable, industrial use product.

**AIIC:** All ingredients are on the AIIC.

**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:** Acute Toxicity - Oral Category 4; H302 – Harmful if swallowed.  
Sensitisation - Skin Category 1; H317 - May cause an allergic skin reaction.  
Serious Eye Damage/Irritation Category 2A; H319 - Causes serious eye irritation.  
Acute Aquatic Toxicity Category 2; H400 - Very Toxic to aquatic life.  
Chronic Aquatic Toxicity Category 2; H410 - Very Toxic to aquatic life with long lasting effects

## SECTION 16 – ANY OTHER RELEVANT INFORMATION

#### SDS INFORMATION:

**Date of SDS Preparation:** 22<sup>nd</sup> September 2023

**Version:** 1.0

**REVISION CHANGES:** Initial preparation of SDS.

#### 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
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

### ACRONYMS Continued:

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

### 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.