SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION: PRODUCT IDENTIFIER/CHEMICAL IDENTITY

1.1 PRODUCT IDENTIFIER: Bioclean

1.2 PRODUCT CODE: BIOCLEAN

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

RELEVANT IDENTIFIED USES: Biodegradable water based detergent and cleaner.

RESTRICTIONS ON USE: This is a water based detergent and cleaner that contains hazardous components that leads to a hazardous rating by calculation for the undiluted product according to the manufacturer. The ratings in the Safety Data Sheet are applicable for Occupational Risk Characterisation. This information is appropriate for incidents, such as spills, or when contact with the undiluted product occurs. In use scenarios, the product is used in a diluted format. The manufacturer nominates, that when diluted to 1:3 or greater with water, the hazard rating no longer applies.

1.4 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

SUPPLIER NAME: PENRITE OIL Company Pty Ltd (ABN: 25005 001 525),
ADDRESS (Australia): 110-116 Greens Road, Dandenong South VIC, Australia, 3175
TELEPHONE NUMBER (Australia): 1300 736 748; +61 3 8710 6600 (int); Fax: 1800 736 748
ADDRESS (New Zealand): 75 Lady Ruby Drive, East Tamaki, Auckland, New Zealand, 2013
TELEPHONE NUMBER (New Zealand): 0800 533 698; Fax: 0800 533 698
E-MAIL: tech@penriteoil.com (Aust and NZ)

1.5 EMERGENCY TEL. NUMBER: Australia: 1300 736 748; New Zealand: 0800 533 698
(Poisons Information Centre (Aust 131 126; NZ 0800 764 766)

1.6 HSNO DETAILS:

HSNO APPROVAL NUMBER: HSR002530.

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

2.2 LABEL ELEMENTS INCLUDING PRECAUTIONARY STATEMENTS:

SIGNAL WORD: Danger

PICTOGRAMS: 🛠️⚠️

HAZARD STATEMENTS: H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
SECTION 2 – HAZARD(S) IDENTIFICATION Continued

PRECAUTIONARY STATEMENTS:
PREVENTION:
P102 - Keep out of reach of children.
P103 - Read label before use.
P261 - Avoid breathing mist/vapours/spray.
P264 - Wash hands thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

RESPONSE:
P101 - If medical advice is needed, have product container or label at hand.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTRE or doctor/physician.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362 - Take off contaminated clothing and wash before reuse.

STORAGE:
Not applicable.

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

2.3 OTHER HAZARDS:
Exposure to vapours, spray or mists of concentrated dilutions may result in irritation to the respiratory system. Ingestion of this product may cause severe irritation to the mouth, throat and digestive tract due to the high pH of the undiluted product. 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

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>CAS NUMBER</th>
<th>Concentration % W/W</th>
<th>GHS Classification*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzenesulfonic acid, dodecyl-, sodium salt</td>
<td>25155-30-0</td>
<td>&lt; 10%</td>
<td>Acut Tox 4 - H302</td>
</tr>
<tr>
<td>(Sodium dodecylbenzene sulphonate)</td>
<td></td>
<td></td>
<td>Skin Irr 2 - H315</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Dam 1 - H318</td>
</tr>
<tr>
<td>Orange, sweet, extract</td>
<td>8028-48-6</td>
<td>&lt; 10%</td>
<td>Flam Liq 3 - H226</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Asp Haz 1 - H304</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Irr 2 - H315</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Sen 1 - H317</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Chron Aq Tox 2 - H411</td>
</tr>
<tr>
<td>Sodium Hydroxide</td>
<td>1310-73-2</td>
<td>&lt; 1%</td>
<td>Met Corr 1 - H290</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Corr 1A - H314</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3 - H335</td>
</tr>
<tr>
<td>Other non-hazardous ingredients</td>
<td>-</td>
<td>To 100%</td>
<td>Not Applic</td>
</tr>
</tbody>
</table>

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. As the product has a high pH, for advice, contact a Poisons Information Centre (Phone Australia 131 126; New Zealand 0800 764 766) or a doctor at once. If irritation or a burning sensation develops or persists or vomiting has occurred after ingestion, seek immediate medical assistance.
SAFETY DATA SHEET

SECTION 4 – FIRST AID MEASURES Continued

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 (Tel. Australia 13 11 26; New Zealand 0800 764 766) or doctor/physician.

SKIN CONTACT: The product may produce an allergic reaction. If irritation, a burning sensation or a rash occurs wash skin thoroughly with mild soap and water. As the product has a high pH and is rated as Causes skin irritation and May cause an allergic reaction; after flushing, if skin irritation persists or rash occurs, seek immediate medical assistance.

INHALATION: If a person is affected by inhaling the product, 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. As the product has a high pH, 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 personnel shall place themselves in a situation that is potentially hazardous to themselves. As the product has a high pH, 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 recommended 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 serious 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. The product is rated as Causes skin irritation. Skin contact may lead to redness or itching. Ingestion or inhalation of vapours may lead to severe gastrointestinal tract irritation with nausea, vomiting and potentially burns.

CHRONIC: Skin contact may aggravate/exacerbate existing skin conditions, such as dermatitis. The product is rated as May cause an allergic skin reaction.

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 once the aqueous component has evaporated. Water may cause splattering on hot residue.
SECTION 5 – FIRE FIGHTING MEASURES Continued

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:
COMBUSTION HAZARDS: Combustion of the residual material after evaporation of the aqueous component may produce oxides of carbon 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 residue will be combustible. Keep storage tanks, pipelines, fire exposed surfaces, etc. cool with water spray.

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 small spills, wear PVC, Nitrile or Neoprene gloves, glasses/goggles, enclosed shoes and full-length clothing. During routine operation for a small spill in the open a respirator is not required. For large spills, or in confined spaces, a full chemically resistant body-suit is recommended. If in doubt about potential oxygen deficiency 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. 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: Small spills can be cleaned up by hand using a cleaning cloth. Having contained the spill, as mentioned above, collect all material quickly and place used absorbent in suitable containers. Follow local regulations for the disposal of waste. For large spills that have been bunded, 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 and rinse the contaminated area and objects with water after spill has been cleared. 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: If handling in bulk, 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 spills. 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: Store in a dry, well ventilated area away from direct sunlight, ignition sources, oxidising agents including strong acids, foodstuffs, animal feed and clothing. 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.

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. The following values are applicable for the individual components:
Sodium Hydroxide:
TWA: 2 mg/m³ (Peak Limitation)

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, at elevated temperatures, or in confined spaces mists, spray or vapour may be generated and local exhaust ventilation should be provided to maintain airborne concentration levels below the nominated exposure standard and 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. Use eye protection in accordance with AS 1336 and AS 1337.

SKIN (HAND) PROTECTION: When using the concentrated product, personnel must wear gloves to provide hand protection. PVC, Nitrile or Neoprene gloves are recommended.

SKIN (CLOTHING) PROTECTION: When using the concentrated product, personnel are required to wear long sleeved clothing and an apron 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.
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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 PHYSICAL AND CHEMICAL PROPERTIES:
APPEARANCE: Orange liquid.
ODOUR: Faint.
ODOUR THRESHOLD: No data available.
pH: Typically 13 @25°C
MELTING/FREEZING POINT: No data available.
INITIAL BOILING POINT: No data available.
BOILING RANGE (°C): No data available.
FLASHPOINT (°C): Not flammable.
EVAPORATION RATE: No data available.
FLAMMABILITY LIMITS (%): Not applicable.
VAPOUR PRESSURE: No data available.
VAPOUR DENSITY: No data available.
DENSITY (g/mL @ 25°C): Typically 1.1.
SOLUBILITY IN WATER(g/L): Miscible in all proportions.
PARTITION COEFFICIENT: No data available for n-octanol/water.
AUTO-IGNITION TEMP (°C): Not applicable.
DECOMPOSITION TEMP (°C): No data available.
VISCOSITY (cSt @ 100°C): No data available.
VISCOSITY (cSt @ 40°C): No data available.

SECTION 10 – STABILITY AND REACTIVITY

10.1 REACTIVITY: The product does not pose any further reactivity hazards other than those listed in the following sub-sections.

10.2 CHEMICAL STABILITY: Stable under recommended storage and handling conditions (see section 7).

10.3 POSSIBILITY OF HAZARDOUS REACTIONS: Keep away from strong oxidising agents, such as strong acids. Exothermic reactions occur with strong acids generating heat and potentially pressure. 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. Avoid acids.

10.5 INCOMPATIBLE MATERIALS: Strong oxidising agents including concentrated acids. Sodium hydroxide caustic solutions in contact with metals, such as aluminium, tin and zinc may cause corrosion and the formation of flammable hydrogen gas.

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:
There is no data available for the product as a whole. However, based upon calculated values the manufacturer has nominated the LD₅₀ for the product to be >10,000 mg/kg.

11.2 ACUTE TOXICITY: SWALLOWED: Due to the high pH of this product, it may cause 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 dodecylbenzene sulphonate and the Sodium hydroxide. During normal usage ingestion should not be a means of exposure.
### SECTION 11 – TOXICOLOGICAL INFORMATION

#### 11.3 SKIN CORROSION/IRRITATION:
This product is rated by calculation as Causes skin irritation. 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 Causes serious 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. Effects may be slow to heal after eye contact. Correct handling procedures incorporating appropriate eye protection should minimise the risk of eye irritation.

#### 11.5 RESPIRATORY OR SKIN SENSITISATION:
This product is rated as a May cause an allergic skin reaction. 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. The 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, mists or sprays (generated at elevated temperatures or by mechanical action) may cause irritation to the nose, throat and respiratory system.

#### 11.10 SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE:
This product is not expected to cause organ damage from prolonged or repeated exposure based on the available data and the known hazards of the components.

#### 11.11 ASPIRATION HAZARD:
This product is not expected to be an aspiration hazard, based on the available data and the known hazards of the components. However, due to the blend of ingredients and the high pH of the product, the manufacturer recommends that 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 has nominated the following values for the undiluted product:
Acute Toxicity to fish (calculated from ingredients): LC50: 14 - 16 mg/l.

The Sweet Orange extract has been rated as Toxic to aquatic life with long lasting effects. As the product is readily biodegradable, the manufacturer states that based upon calculated values, the overall product would not be expected to be rated.

12.2 PERSISTENCE & DEGRADABILITY: Based on the available data and the known hazards of the components and similar products the product is expected to be readily biodegradable.

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: There is no data available for the product as a whole. 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 disposed of. Empty containers should be taken for recycling or for 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. (HS Code: 3402.90.00)

14.1 LAND (ADG Code):
UN NUMBER: Not applicable
UN PROPER SHIPPING NAME: Not applicable
TRANSPORT HAZARD CLASS(ES): Not applicable
PACKAGING GROUP: Not applicable
ENVIRONMENTAL HAZARDS: Not applicable
SPECIAL PRECAUTIONS FOR USER: Not applicable
HAZCHEM CODE: Not applicable
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: Schedule 5.
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.

OTHER REGULATORY INFORMATION:
GHS CLASSIFICATION HAZARD CLASS & CATEGORY AND HAZARD STATEMENT:
Flammable Liquids Category 3; H226 - Flammable liquid and vapour.
Corrosive to Metal Category 1: H290 - May be corrosive to metals.
Acute Toxicity - Oral Category 4; H302 - Harmful if swallowed.
Aspiration Hazard Category 1; H304 - May be fatal if swallowed and enters airway.
Skin Corrosion/Irritation Category 1A; H314 - Causes severe skin burns and eye damage.
Skin Corrosion/Irritation Category 2; H315 - Causes skin irritation.
Sensitisation - Skin Category 1; H317 - May cause an allergic skin reaction.
Serious 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.

HSNO APPROVAL NUMBER: HSR002530.
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SECTION 16 – ANY OTHER RELEVANT INFORMATION

SDS INFORMATION:
Date of SDS Preparation: 13th November 2018  Revision: 1.0

REVISION CHANGES: Revised data supplied by manufacturer causing a full re-write of the 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
- 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.
- LD50: Median Lethal Dose
- LC50: Median Lethal Concentration
- EC50: 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 Chemical Information System (HCIS) - Guidance Material for Hazard Classifications
- Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
- Model Work Health and Safety Regulations
- Model Work Health and Safety Regulations - Transitional Principles
- Workplace Exposure Standards for Airborne Contaminants
- Australian Dangerous Goods Code 7th 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
LITERATURE REFERENCES AND SOURCES OF DATA (Continued):
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 Linear Alkylbenzene Sulfonates (C10 - C16) including CAS No 25155-30-0
NICNAS IMAP Human Health Tier II Assessment for Sodium Hydroxide

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. 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.