

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**PRODUCT NAME:** MAXIFOAM  
**OTHER NAMES:** NONE  
**RECOMMENDED USE:** Foam sanitiser / detergent for cleaning.  
**SUPPLIER NAME:** CAMPBELL CLEANTEC (ABN 92 009 657 489)  
**ADDRESS:** 32 PERIVALE STREET, DARRA, QLD, 4076  
**TELEPHONE:** GENERAL + 61 7 3710 3200  
ENQUIRIES:  
CUSTOMER SERVICE: 1800 077 240  
**FAX:** GENERAL + 61 7 3710 3210  
ENQUIRIES:  
CUSTOMER SERVICE: + 61 7 3710 3207  
**EMERGENCY TELEPHONE NUMBER:** AUSTRALIA: 1800 628 724 (ALL HOURS)  
INTERNATIONAL: + 61 7 3710 3184 (ALL HOURS)

## 2. HAZARDS IDENTIFICATION

**HAZARD CLASSIFICATION:** Classified as **hazardous** according to the criteria of NOHSC.  
**HAZARD CATEGORY:** C – Corrosive  
**RISK PHRASES:** R41 – Risk of serious damage to eyes.  
R35 – Causes severe burns.  
R31 – Contact with acids liberates toxic gas.  
**SAFETY PHRASES:** S1/2 – Keep locked up and out of reach of children.  
S24/25 – Avoid contact with eyes and skin.  
S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S37/39 – Wear suitable protective clothing and gloves.  
S45 – In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).  
S50 – Do not mix with acids.

*The information contained in this MSDS is specific to the product when handled and used neat. This product when diluted may not require the same control measures as the neat product. Check with your technical representative if in doubt.*

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| INGREDIENT   | CAS No.   | PROPORTION (% w/w) |
|--|-----------|--------------------|
| <i>The ingredients below are considered either <b>hazardous, dangerous goods or poison scheduled</b> according to the criteria of NOHSC, ADG Code and SUSDP (respectively) at the levels used in the product.</i>            |           |                    |
| potassium hydroxide  | 1310-58-3 | <10%               |
| <i>The ingredients below are <b>not</b> considered either <b>hazardous, dangerous goods or poison scheduled</b> according to the criteria of NOHSC, ADG Code and SUSDP (respectively) at the levels used in the product.</i> |           |                    |
| builder  |           | <10%               |
| alkaline salts   |           | <10%               |
| anionic surfactant   |           | <10%               |
| surfactants  |           | <10%               |
| hydrotrope   |           | <10%               |
| sodium hypochlorite  |           | <10%               |
| scale inhibitors   |           | <10%               |
| water  |           | 30 – 60%           |

# MATERIAL SAFETY DATA SHEET



## 4. FIRST AID MEASURES

|                              |  |
|------------------------------|--|
| <b>INGESTION:</b>            | For advice, contact a Poisons Information Centre (Phone Australia 131126, New Zealand 0800 764 766) or a doctor. If swallowed, do NOT induce vomiting.   |
| <b>EYE CONTACT:</b>          | If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. |
| <b>SKIN CONTACT:</b>         | If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor.      |
| <b>INHALATION:</b>           | Remove from source of exposure to fresh air. Seek medical assistance if the effects persist.<br><b>** SHOW THIS SAFETY DATA SHEET TO A DOCTOR **</b>   |
| <b>FIRST AID FACILITIES:</b> | Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.   |
| <b>NOTES TO PHYSICIAN:</b>   | Treat symptomatically and as for strongly alkaline corrosive material.   |

## 5. FIRE FIGHTING METHODS

|  |   |
|--|---|
| <b>SUITABLE EXTINGUISHING MEDIA:</b>                                   | Water spray, foam, carbon dioxide or dry chemical powder.   |
| <b>HAZARDS FROM COMBUSTION:</b>  | The product is non-combustible; however, the packaging material may burn to emit noxious fumes. Contact with metals may liberate hydrogen gas which is extremely flammable. |
| <b>PRECAUTIONS FOR FIRE FIGHTERS AND SPECIAL PROTECTIVE EQUIPMENT:</b> | Fire fighters should wear self-contained breathing apparatus to minimise risk of exposure to vapour or products of combustion.  |
| <b>HAZCHEM CODE:</b>   | 2R  |

## 6. ACCIDENTAL RELEASE MEASURES

|  |  |
|--|--|
| <b>EMERGENCY PROCEDURES:</b>                               | Spillages are slippery. Ensure adequate ventilation. Keep spectators away – rope off the area. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination.   |
| <b>METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP:</b> | Contain the spill and prevent run off into confined areas, drains and waterways.<br>Large spills: absorb with dry earth, sand or other similar material. Collect and seal in properly labelled drums for disposal in an area approved by local authority by-laws. Wash area down with excess water to remove residual material.<br>Small spills: may be safely mopped up and area washed with excess water.<br>Incineration of disposed material is not recommended, as it is unlikely to adequately burn. |

## 7. HANDLING AND STORAGE

|                                       |   |
|---------------------------------------|---|
| <b>PRECAUTIONS FOR SAFE HANDLING:</b> | Keep containers closed at all times - check regularly for leaks or spills. Transport and store upright. Avoid eye contact and repeated or prolonged skin contact. Do not eat, drink or smoke in contaminated areas. Always remove contaminated clothing and wash hands before eating, drinking, smoking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.  |
| <b>CONDITIONS FOR SAFE STORAGE:</b>   | Store in the original container, in a cool dry well-ventilated area out of sunlight and away from incompatible materials and foodstuffs. Ensure containers are fitted with vented closures.<br>Keep containers closed when not in use to ensure contamination does not occur. Do not combine part drums of the same product, as this may be a source of contamination. Do not mix with other chemicals, especially acids.<br>Do not store in aluminium or galvanised containers or use die-cast zinc or aluminium bungs; plastic bungs should be used. At temperatures greater than 40°C, tanks must be stress relieved. Keep containers closed when not in use - check regularly for leaks.<br>This material is a Scheduled Poison S6 and must be stored, maintained and used in accordance with the relevant regulations. |

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|                                       |  |
|---------------------------------------|--|
| <b>NATIONAL EXPOSURE STANDARDS:</b>   | No value assigned for this specific material by NOHSC, however as published by NOHSC T.W.A. for Potassium hydroxide = 2 mg/m <sup>3</sup> (Peak Limitation)<br>NOHSC have not assigned a value for Sodium Hypochlorite. However, Exposure Standards for the decomposition of the product are:<br>T.W.A. for Chlorine = 1ppm 3 mg/m <sup>3</sup> S.T.E.L. for Chlorine = Peak Limitation  |
| <b>BIOLOGICAL LIMIT VALUES:</b>       | No biological limit allocated.   |
| <b>ENGINEERING CONTROLS:</b>          | Ensure ventilation is adequate to maintain air concentrations below Exposure Standards.<br>Use with local exhaust ventilation or while wearing a respirator. Keep containers closed when not in use.   |
| <b>PERSONAL PROTECTIVE EQUIPMENT:</b> | Protective equipment must be worn: elbow-length impervious gloves, waterproof apron, overalls, safety boots and safety glasses/goggles and/or full-face shield. Avoid breathing mist, sprays or vapours. Where ventilation is not adequate, respiratory protection may be required. Any chemical cartridge respirator with cartridge(s) providing protection against the compound of concerns meeting the requirements of AS/NZS 1715 and AS/NZS 1716. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

|                                     |   |
|-------------------------------------|---|
| <b>APPEARANCE:</b>                  | Clear, pale yellow, mobile liquid.                          |
| <b>ODOUR:</b>                       | Chlorine odour.   |
| <b>PH (NEAT):</b>                   | >12.0   |
| <b>SPECIFIC GRAVITY OR DENSITY:</b> | S.G. 1.17   |
| <b>VAPOUR PRESSURE:</b>             | No information available.                                   |
| <b>PERCENT VOLATILES:</b>           | Approx. 76% w/w   |
| <b>BOILING POINT / RANGE:</b>       | No information available.                                   |
| <b>FREEZING / MELTING POINT:</b>    | No information available.                                   |
| <b>SOLUBILITY:</b>                  | The product is water based and is fully soluble in water.   |
| <b>FLASH POINT:</b>                 | No known fire hazard.                                       |
| <b>FLAMMABILITY LIMITS:</b>         | No information available.                                   |
| <b>IGNITION TEMPERATURE:</b>        | No information available.                                   |
| <b>SHELF LIFE:</b>                  | 3 months from manufacturing date (when stored as directed). |
| <b>OTHER:</b>                       | None.   |

## 10. STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>CHEMICAL STABILITY:</b>               | The product is not stable - the amount of available chlorine slowly diminishes. Cool storage prolongs viability.<br>The shelf life is 3 months.   |
| <b>CONDITIONS TO AVOID:</b>              | Do not combine part drums of the same product, as this may be a source of contamination.  |
| <b>INCOMPATIBLE MATERIALS:</b>           | Acids, aluminium, ammonium salts, tin or zinc coated metals.  |
| <b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> | The packaging material may burn to emit noxious fumes.  |
| <b>HAZARDOUS REACTIONS:</b>              | DO NOT mix with acidic compounds as toxic Chlorine gas may be liberated.<br>Reacts violently with acids. Reacts exothermically on dilution with water. Reacts with ammonium salts and a toxic ammonia gas may be liberated. |

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## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

### ACUTE EFFECTS

|   |   |
|---|---|
| <b>INGESTION:</b>                             | Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.  |
| <b>EYE CONTACT:</b>                           | Highly corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury.  |
| <b>SKIN CONTACT:</b>                          | Highly corrosive to skin - may cause skin burns.  |
| <b>INHALATION:</b>                            | Breathing in mists or aerosols may produce respiratory irritation.  |
| <b>LONG TERM EFFECTS:</b>                     | No information available.   |
| <b>ACUTE TOXICITY /<br/>CHRONIC TOXICITY:</b> | No toxicity data for this specific product, however toxicity data for the hazardous ingredient is listed below.<br>TOXICITY DATA FOR POTASSIUM HYDROXIDE: Oral LD50 (rat) 273 mg/kg<br>Skin irritation Data Std Draize 50 mg/24h; Human – severe, Rabbit - severe<br>Eye irritation data Rabbit, non-std test 1 mg/24h, rinse moderate<br>TOXICITY DATA FOR SODIUM HYPOCHLORITE:<br>Oral LD <sub>50</sub> (mice) 5800 mg/kg Eyes (rabbit) moderate irritant |

## 12. ECOLOGICAL INFORMATION

|                                       |  |
|---------------------------------------|--|
| <b>ECOTOXICITY:</b>                   | Avoid contaminating waterways. The product is highly alkaline. If large spills occurred a water pH rise could be responsible for an environmental effect on aquatic organisms. If not neutralised this product could potentially be toxic for aquatic organisms because of its alkalinity (pH> 9 can have an effect on fish, with possible fish death). pH> 8.5 could be destroying for algae.<br>AQUATIC TOXICITY DATA FOR SODIUM HYPOCHLORITE:<br>48hr LC50 (fish) 0.07 – 5.9 mg/L |
| <b>PERSISTENCE AND DEGRADABILITY:</b> | Surfactants are considered to be biodegradable.  |
| <b>MOBILITY:</b>                      | No information available.  |
| <b>OTHER:</b>                         | None.  |

## 13. DISPOSAL CONSIDERATIONS

|  |   |
|--|---|
| <b>DISPOSAL METHODS:</b>                                     | Empty containers should be forwarded to an approved agent for recycling. Avoid unauthorised discharge to sewer.   |
| <b>SPECIAL PRECAUTIONS FOR<br/>LANDFILL OR INCINERATION:</b> | The product is suitable for disposal by landfill through an approved agent. Incineration of the product is not recommended, as it is unlikely to adequately burn. |

## 14. TRANSPORT INFORMATION

|  |   |
|--|---|
| <b>ROAD AND RAIL TRANSPORT:</b>          | Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.   |
| <b>UN NUMBER:</b>                        | 1719  |
| <b>UN PROPER SHIPPING NAME:</b>          | CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS POTASSIUM HYDROXIDE)  |
| <b>CLASS AND SUBSIDIARY RISK(S):</b>     | 8   |
| <b>PACKAGING GROUP:</b>                  | II  |
| <b>HAZCHEM CODE:</b>                     | 2R  |
| <b>INITIAL EMERGENCY RESPONSE GUIDE:</b> | Guide 37  |
| <b>SEGREGATION DANGEROUS GOODS:</b>      | Not to be loaded with explosives (class 1), dangerous when wet substances (class 4.3), oxidising agents (class 5.1), organic peroxides (class 5.2), radioactive substances (class 7), corrosives (strong acids of class 8), foodstuffs and foodstuff empties, however exemptions may apply. |

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|                                      |  |
|--------------------------------------|--|
| <b>MARINE TRANSPORT:</b>             | Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. |
| <b>UN NUMBER:</b>                    | 1719   |
| <b>UN PROPER SHIPPING NAME:</b>      | CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS POTASSIUM HYDROXIDE)   |
| <b>CLASS AND SUBSIDIARY RISK(S):</b> | 8  |
| <b>PACKAGING GROUP:</b>              | II   |
| <b>STOWAGE AND SEGREGATION:</b>      | Category A. "Away from" acids.   |
| <b>AIR TRANSPORT:</b>                | Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) for transport by air.          |
| <b>UN NUMBER:</b>                    | 1719   |
| <b>UN PROPER SHIPPING NAME:</b>      | CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS POTASSIUM HYDROXIDE)   |
| <b>CLASS AND SUBSIDIARY RISK(S):</b> | 8  |
| <b>PACKAGING GROUP:</b>              | II   |
| <b>ERG CODE:</b>                     | 8L   |

## 15. REGULATORY INFORMATION

|                                  |  |
|----------------------------------|--|
| <b>POISONS SCHEDULE (AUST.):</b> | 6  |
| <b>APVMA STATUS:</b>             | Not relevant.                                    |
| <b>TGA STATUS:</b>               | Not relevant.                                    |
| <b>AICS STATUS:</b>              | All the constituents of this product are listed. |
| <b>AQIS STATUS:</b>              | IOA is available upon request.                   |
| <b>OTHER:</b>                    | MAF Approval (New Zealand). Category C31.        |

## 16. OTHER INFORMATION

**GENERAL INFORMATION:** None.

**MSDS ISSUE NUMBER:** 004

**MSDS ISSUE DATE:** 16 MAY 2005

In any event, the review and, if necessary, the re-issue of a MSDS shall be no longer than 5 years after the last date of issue.

Electronic versions of the MSDS's in a PDF format are also available on our Website at [www.cleantec.com.au/product.asp](http://www.cleantec.com.au/product.asp)

**REASON(S) FOR ISSUE:** Update to conform to requirements of NOHSC:2011(2003); 16-header format. 004:Error corrected in shipping name.

***THIS ISSUE NUMBER REPLACES ALL PREVIOUS ISSUES.***

**LITERARY REFERENCE:**

**SOURCES FOR DATA:**

# MATERIAL SAFETY DATA SHEET



| <b>LEGEND:</b> |  |
|----------------|--|
| AICS           | Australian Inventory of Chemical Substances  |
| APVMA          | Australian Pesticides and Veterinary Medicines Authority   |
| AQIS           | Australian Quarantine and Inspection Service   |
| AS             | Australian Standard (as issued by Standards Australia)   |
| ERP Code       | Emergency Response Drill Code as found in the ICAO (International Civil Aviation Organisation) Doc 9481  |
| MSDS           | Material Safety Data Sheet   |
| NOHSC          | National Occupational Health and Safety Commission   |
| STEL           | Short Term Exposure Limit - A 15 minute TWA exposure which should not be exceeded at any time during a working day even if the eight-hour TWA average is within the TWA exposure standard. Exposures at the STEL should not be longer than 15 minutes and should not be repeated more than four times per day. There should be at least 60 minutes between successive exposures at the STEL. |
| TGA            | Therapeutic Goods Administration   |
| TLV            | Threshold Limit Value - TLV is a proprietary name registered by the American Conference of Governmental Industrial Hygienists (ACGIH) and refers to airborne concentrations of substances or levels of physical agents to which it is believed that nearly all workers may be repeatedly exposed day after day without adverse effect.   |
| TWA            | Time Weighted Average - The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.  |

*This MSDS has been prepared from current technical data and summarises at the date of issue our best knowledge of the health and safety information of the product, and in particular how to safely handle and use the product in the workplace.*

*If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.*

*Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.*

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**End of MSDS**