

Safety Data Sheet

Infosafe No™ 5GEIE Issue Date : March 2016 ISSUED by ACS

Product Name **Chlorfoam**

Classified as hazardous

1. Identification

GHS Product Identifier Chlorfoam
Company Name Cargroomers International Trust
Address 10 Binary Street YATALA
QLD 4207 Australia
Telephone/Fax Number Tel: (07) 3807 7577
Emergency phone number (07) 3807 7577
Recommended use of the chemical and restrictions on use Chlorinated, alkaline, foam cleaner

2. Hazard Identification

GHS classification of the substance/mixture Eye Damage/Irritation: Category 1
Skin Corrosion/Irritation: Category 1A
Signal Word (s) DANGER

Hazard Statement (s) Causes severe skin burns and eye damage.
Causes serious eye damage.
Contact with acids liberates toxic gas

Precautionary statement – General Keep out of reach of children.

Pictogram (s) Corrosion



Precautionary statement – Prevention Do not breathe mist/vapours/spray.
Wash hands thoroughly after handling.
Wear protective gloves, protective clothing, eye/face protection.

Precautionary statement – Response IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor.

Precautionary statement – Storage Store locked up.

Precautionary statement – Disposal Dispose of contents/container to in accordance with local regulations.

3. Composition/information on ingredients

| Ingredients | Name | CAS | Proportion |
|-------------|---|-----------|------------|
| | Sodium hypochlorite | 7681-52-9 | 0-<10 % |
| | Potassium Hydroxide | 1310-58-3 | 0-<10 % |
| | Ingredients determined to be non-hazardous at the formulation concentration | | to 100% |

4. First-aid measures

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| First Aid Measures | If poisoning occurs contact a doctor or Poisons Information Centre Phone 131126 |
| Inhalation | Remove from contaminated area immediately to fresh air; avoid becoming a casualty. If breathing is difficult, give oxygen. If not breathing apply artificial resuscitation. Seek medical advice. |
| Ingestion | Do not induce vomiting. Rinse mouth out with water then give large quantities of water to drink. Do not give anything if victim is unconscious. Seek urgent medical advice. |
| Skin | Remove all contaminated clothing. Wash affected areas thoroughly with soap and water. For gross contamination, immediately drench with water and remove clothing. Wash contaminated clothing before reuse. Seek urgent medical advice. |
| Eye contact | Immediately hold eyelids open and irrigate continuously with water for 15 minutes. Lift upper and lower lids occasionally. Seek urgent medical advice. |
| First Aid Facilities | Use should be made of an on-site approved first aid kit if required in the first instance until medical assistance is forthcoming. |
| Advice to Doctor | Treat symptomatically. Show this M.S.D.S. to the medical practitioner. |

5. Fire-fighting measures

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| Suitable extinguishing media | Use water fog, dry chemical, and alcohol foam or carbon dioxide extinguishers. Water spray may be used to cool containers. |
| Hazards from Combustion Products | Non Combustible. Fumes may be toxic and irritating (oxides of carbon and nitrogen may be formed). Reaction with some metals will produce flammable hydrogen gas. May decompose to release toxic chlorine gas. |
| Specific Methods | Fire fighters to wear full body protective clothing with breathing apparatus. Deluge with water to cool containers. Evacuate area move upwind of fire. |
| Hazchem Code | 2X |

6. Accidental release measures

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| Spills & Disposal | Spills are slippery. Clear area of unprotected personnel. Isolate all incompatible materials if safe to do so. Contain all spills using inert absorbent (soil, sand, vermiculite). Collect and seal in properly labeled containers for disposal. Large spills should be contained with absorbent and removed to drums for disposal. Remove in accordance with local waste management authority. |
| Personal Protection | Wear protective clothing to prevent eye and skin contamination. Ensure an eye bath and safety shower is available. Operators are recommended to wear full protective clothing, glasses, gloves, apron etc. including footwear. |
| Environmental Precautions | Prevent spills from entering drains and waterways. Contact local emergency services if contamination of sewers or waterways occurs. |

7. Handling and storage

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| Precautions for Safe Handling | Handle according to good manufacturing and industrial hygiene practices. Do not drink, eat or smoke while handling. Respect good personal hygiene. |
| Conditions for safe storage, including any incompatibilities | Store in original container. Keep container upright in cool dry area. Keep lid of container closed when not in use. |

8. Exposure controls/personal protection

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| Occupational exposure limit values | Safe Work Australia does not list an exposure limit for this product however TWA (peak limitation) of Potassium Hydroxide is 2mg/m ³ and Chlorine (decomposition product) = 1.0 ppm. |
| Biological Limit Values | No biological limit allocated. |
| Appropriate engineering controls | Use in a well ventilated area. If ventilation is insufficient use a corrosive - resistant ventilation system separate from other exhaust systems. Engineering control methods to reduce hazards are preferred. |
| Personal Protective Equipment | Avoid breathing mists. Where sufficient ventilation is not available then wear an AS 1715 and 1716 approved respirator. Ensure an eye bath and safety shower is available. Operators are recommended to wear full protective |

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clothing, glasses, face shield, gloves, apron etc. including footwear.

9. Physical and chemical properties

Appearance Clear pale yellow liquid.
Odour Chlorine
Boiling Point Ca. 100°C
Solubility in Water Completely soluble in water.
Specific Gravity 1.10 - 1.15 g/ml
pH >13
Flash Point > 65°C

10. Stability and reactivity

Conditions to Avoid Use only as directed. Store in accordance with directions given in Section 7 (Handling and storage) of this SDS. Keep containers closed when not in use.
Incompatible Materials Store away from acids, hydrocarbons, alcohols, esters, ammonia and ammonium salts. Do not use die-cast zinc or aluminium bungs. May corrode/tarnish aluminium.
Possibility of hazardous reactions This material is not to be stored in aluminium, zinc or tin containers. This material vigorously reacts with acids to generate heat and chlorine gas. Reacts violently with ammonium salts generating toxic gas.
Hydrogen gas is generated when undiluted material contacts aluminium, zinc or tin.

11. Toxicological Information

Ingestion Corrosive. Ingestion may cause nausea, vomiting, headache, pain, diarrhoea and possible burns. Other symptoms may include swelling of the larynx, suffocation, perforation of the gastrointestinal tract, collapse and coma.
Inhalation Inhalation of mists may cause severe irritation to the respiratory system including burns to the upper respiratory tract. Inhalation of large doses may cause pulmonary edema, pneumonitis and emphysema.
Skin Corrosive. Exposure may cause irritation and possible burns. Skin contact often does not cause pain, contamination of gloves and boots should be avoided.
Eye Corrosive. Can cause permanent injury with redness, pain and burns.
Chronic Effects Chronic effects are unlikely due to the severity of acute effects.

12. Ecological information

Ecological Information Avoid contaminating waterways. Expected to be harmful to aquatic environments due to high pH and hypochlorite.

13. Disposal considerations

Disposal Considerations Remove for disposal in accordance with local waste management regulations. Can be diluted with large amounts of water and flushed to drain with copious amounts of water.

14. Transport information

Transport Information This material is a Class 8 Corrosive Substance according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Class 8 - Corrosive Substances are incompatible in a placard load with any of the following:
- Class 1, Explosives,
- Class 4.3, Dangerous When Wet Substances,
- Class 5.1, Oxidising Agents & Class 5.2 - Organic Peroxides,
- Class 6, Toxic Substances (where the Toxic substances are cyanides and the corrosives are acids),

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- Class 7, Radioactive Substances,
- Class 8, Corrosive Substances (concentrated strong acid is to be segregated from strong alkali), and are incompatible with food and food packaging in any quantity.

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| U.N. Number | 1760 |
| UN proper shipping name | CORROSIVE LIQUID, N.O.S. - contains Potassium Hydroxide |
| Transport hazard class(es) | 8 |
| Hazchem Code | 2X |
| Packing Group | II |
| IERG Number | 37 |

15. Regulatory information

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| Poisons Schedule | S6 |
| Hazard Category | Corrosive |
| AICS (Australia) | All ingredients listed. |

16. Other Information

Other Information MSDS version: 2
Reason for revision: Formulation change

DO NOT MIX WITH OTHER CHEMICALS WITHOUT PRIOR CONSULTATION WITH THE MANUFACTURER. Always use product as directed. Never return any unused material to original drum.

Every endeavour has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control. The information is not intended as an inducement to bargain and no warranty expressed or implied is made as to its accuracy, reliability or completeness. Cargroomers Queensland Pty Ltd accepts no liability for loss, injury or damage arising from reliance upon the information contained in this data sheet except in conjunction with the proper use of the product to which it refers. Due care should be taken that the use and disposal of this product is in compliance with appropriate Federal, State and Local Government regulations.

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