

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Emergency procedures:** Wear self-contained breathing apparatus in confined spaces, in cases where the oxygen level is depleted, or in case of significant emissions. Prevent further leakage or spillage if safe to do so. Keep away from incompatible products.
- Methods and materials for containment and clean up:** Wear protective equipment. Absorb spill with sand and earth. Wash to drain with plenty of water.

SECTION 7: HANDLING AND STORAGE

- Precautions for safe handling:** Protect against physical damage. Personnel when handling the product must wear protective equipment for hand, skin or eyes, and including protective breathing apparatus. Area should be well ventilated. Advice on general occupational hygiene: Avoid inhalation or ingestion and contact with skin and eyes.
- Conditions for safe storage, including any incompatibilities:** Toxic and corrosive compressed gas, store away from sources of heat. Store in upright position. Check regularly for leaks. Keep in tightly closed containers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- National exposure standards:** No Data Available
- Biological limit values:** No information available
- Engineering controls:**
- Personal protective equipment:**

Ventilation: Face Mask Respirator are necessary for this product.

Eye Protection: Protective glasses or goggles must be worn when this product is being used. Failure to protect your eyes may lead to severe harm to them or to general health. Emergency eye wash facilities must also be available in an area close to where this product is being used.

Skin Protection: Prevent skin contact by wearing impervious gloves, clothes and, preferably, apron. Make sure that all skin areas are covered. See below for suitable material types.

Protective Material Types: We suggest that protective clothing be made from the following: rubber, PVC.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**Appearance (colour, physical form, shape)**

- Odour :** Chlorine Liquid
- pH**
- Vapour pressure :**
- Vapour density**
- Boiling point/range**
- Freezing/melting point (specify which)**
- Solubility (specify solvent, e.g. water**
- Specific gravity or density**

Information for flammable materials, including:

- flash point and method of detecting flash point**
- upper and lower flammable (explosive) limits in air**
- ignition temperature**

Additional information

- Specific heat value**
- Particle size**
- Volatile organic compounds (VOC) content**
- Evaporation rate**
- Viscosity**
- Percent volatile**
- Octanol/water partition coefficient**
- Saturated vapour concentration (include reference temperatures)**
- Additional characteristics not noted above may also be provided if applicable to the material**
- Flame propagation or burning rate of solid materials**
- Properties of both flammable and non-flammable materials that may initiate or uniquely contribute to the intensity of a fire (e.g. Class 4 or Class 5)**
- Potential for dust explosion**
- Reactions that release flammable gases or vapours**

- Fast or intensely burning characteristics*
- Non-flammables that could contribute unusual hazards to a fire, such as strong oxidizing and reducing agents or peroxide formers*
- Release of invisible flammable vapours and gases*
- Decomposition temperature*

SECTION 10: STABILITY AND REACTIVITY

- Chemical stability**
- Conditions to avoid**
- Incompatible materials**
- Hazardous decomposition products**
- Hazardous reactions**

SECTION 11: TOXICOLOGICAL INFORMATION

- Health effects from the likely routes of exposure**

SECTION 12: ECOLOGICAL INFORMATION

- Ecotoxicity**
 - Persistence and degradability**
 - Mobility**
- Additional information*
- Environmental fate (exposure)*
 - Bioaccumulative potential*

SECTION 13: DISPOSAL CONSIDERATIONS

- Disposal methods and containers**
- Special precautions for landfill or incineration**

SECTION 14: TRANSPORT INFORMATION

- UN Number**
- UN Proper Shipping Name**
- Class and subsidiary risk**
- Packing Group**
- Special precautions for user**
- Hazchem Code**

SECTION 15 REGULATORY INFORMATION

All ingredients are listed on the AICS.

Sulfamic acid is listed in schedule 5 of the SUSMP.

- Schedule 5 chemicals are substances with a low potential for causing harm, the extent of which can be reduced through the use of appropriate packaging with simple warnings and safety directions on the label.

Sodium hydroxide is listed in schedule 6 of the SUSMP.

- Schedule 6 chemicals are substances with a moderate potential for causing harm, the extent of which can be reduced through the use of distinctive packaging with strong warnings and safety directions on the label.

SECTION 16 OTHER INFORMATION

- Date of preparation or last revision of the SDS** JANUARY 2017

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
ASCC	Office of the Australian Safety and Compensation Council
CAS number	Chemical Abstracts Service Registry Number
GHS	Globally Harmonised System of Classification and Labelling (GHS)
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
STEL	Short term exposure limit
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
TWA	Time weighted average
UN Number	United Nations Number

Disclaimer:

A) This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. The information is meant to describe Safety Requirements of the product and should not be construed as guaranteeing specific properties. This SDS is analogous to the data for the principal components of the mixture/compound. No warranty, express or implied, is made as to its accuracy, reliability or completeness.

B) Each user should read this SDS, all product labels, and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

C) We can not accept any liability for any damage or injury caused by the product as it is sold and its use, handling and storage are completely out of our control.