

Infosafe No™ 3CH8Y Issue Date : June 2022 RE-ISSUED by CHEMSUPP

Product Name **1-OCTANE SULFONIC ACID, sodium salt monohydrate**

Classified as hazardous

## Section 1 - Identification

**Product Identifier** 1-OCTANE SULFONIC ACID, sodium salt monohydrate  
**Company Product Codes / Numbers / Unique Identifiers** OL025  
**Company Name** CHEMSUPPLY AUSTRALIA PTY LTD (ABN 19 008 264 211)  
**Address** 38 - 50 Bedford Street GILLMAN  
SA 5013 Australia  
**Telephone/Fax Number** Tel: (08) 8440-2000  
**Emergency Phone Number** CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)  
**E-mail Address** www.chemsupply.com.au

**Recommended use of the chemical and restrictions on use** Laboratory chemical. Reagent for analysis.

**Other Names**

Name

Product Code

Octane-1-sulfonic acid

**Additional Information**

EMERGENCY CONTACT NUMBER: +61 08 8440 2000  
 Business hours: 8:30am to 5:00pm, Monday to Friday.  
 Chem-Supply Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Chem-Supply Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Chem-Supply Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

## Section 2 - Hazard(s) Identification

**GHS Classification of the Substance/Mixture** Eye Damage/Irritation: Category 2A  
Skin Corrosion/Irritation: Category 2  
Specific target organ toxicity - Single Exposure, Category 3 (respiratory tract irritation)  
**Signal Word** WARNING  
**Hazard Statement (s)** H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
**Pictogram (s)** Exclamation mark



**Precautionary Statement - Prevention**

P261 Avoid breathing dust.  
 P264 Wash thoroughly after handling.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

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**Precautionary Statement – Response** P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P362 Take off contaminated clothing and wash before reuse.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.

**Precautionary Statement – Storage** P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.

**Precautionary Statement – Disposal** P501 Dispose of contents/container according to local, state and federal regulations.

### Section 3 - Composition and Information on Ingredients

Ingredients	Name	CAS	Proportion
	1-Octanesulphonic acid sodium salt	5324-84-5	

### Section 4 - First Aid Measures

**Inhalation** If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Immediately obtain medical aid if cough or other symptoms appear.

**Ingestion** Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.

**Skin** Wash affected areas with copious quantities of water immediately. Remove contaminated clothing and wash before re-use. If persistent irritation occurs, obtain medical attention.

**Eye** Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. If rapid recovery does not occur, obtain medical attention

**First Aid Facilities** Maintain eyewash fountain and safety shower in work area.

**Advice to Doctor** Treat symptomatically based on judgement of doctor and individual reactions of the patient.

**Other Information** For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.

### Section 5 - Firefighting Measures

**Hazards from Combustion Products** Carbon, sulphur and sodium oxides.

**Special Protective Equipment for Firefighters** Full protective clothing and self-contained breathing apparatus.

**Specific Methods** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### Section 6 - Accidental Release Measures

**Personal Precautions** Avoid substance contact. Avoid generation of dusts: do not inhale dusts. Ensure supply of fresh air in enclosed rooms.

**Personal Protection** Wear protective clothing specified for normal operations (see Section 8)

**Clean-up Methods - Small Spillages** Sweep up (avoid generating dust) and using clean non-sparking tools transfer to a clean, suitable, clearly labelled container for disposal in accordance with local regulations.

### Section 7 - Handling and Storage

**Precautions for Safe Handling** Only use in well-ventilated areas. Avoid generation or accumulation of dusts. Do not breathe dust. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure. Use with adequate ventilation. Wear suitable protective

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**Conditions for safe storage, including any incompatibilities** clothing. Keep container tightly closed when not in use. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.  
Keep container tightly closed in a dry, well-ventilated place away from direct sunlight and other sources of heat or ignition. Store away from incompatible materials. Store at +5 to +30 °C.

## Section 8 - Exposure Controls and Personal Protection

**Other Exposure Information** A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Safe Work Australia for this product. There is a blanket limit of 10 mg/m<sup>3</sup> for dusts when limits have not otherwise been established.

**Engineering Controls** Provide sufficient ventilation to ensure that the working environment is below the TWA (time weighted average). Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flame proof exhaust ventilation system is required. Refer to AS 1940-The storage and handling of flammable and combustible liquids and AS 2430-Explosive gas atmospheres for further information concerning ventilation requirements.

**Respiratory Protection** Where ventilation is not adequate, respiratory protection may be required. Avoid breathing dust, vapours or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.

**Eye and Face Protection** The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.

**Hand Protection** Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance.

**Personal Protective Equipment** Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.

**Body Protection** Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

**Hygiene Measures** Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

## Section 9 - Physical and Chemical Properties

**Form** Solid.

**Appearance** White powder

**Odour** Odourless

**Melting Point** > 300°C

**Solubility in Water** Soluble

**pH** 5.5 - 7.5 at 100g/l, 20°C

**Partition Coefficient: n-octanol/water (log value)** log P(o/w): -1.09

**Molecular Weight** 216.28

## Section 10 - Stability and Reactivity

**Chemical Stability** Stable under ordinary conditions of use and storage.

**Conditions to Avoid** Incompatible materials, excess heat, dust generation, high temperatures.

**Incompatible Materials** Strong oxidizing agents.

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**Hazardous Decomposition Products**      Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), sulfur oxides and sodium oxides.  
**Hazardous Polymerization**      Does not occur.

## Section 11 - Toxicological Information

**Toxicology Information**      To the best of our knowledge, the toxicological properties of this material have not been fully investigated. No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. If mishandled or overexposed to this product the following symptoms or effects may occur.

**Ingestion**      Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract.

**Inhalation**      May be harmful if inhaled. May cause respiratory tract irritation, irritation of mucous membranes. Symptoms include coughing and shortness of breath.

**Skin**      Causes skin irritation.

**Eye**      Causes serious eye irritation.

## Section 12 - Ecological Information

**Ecological Information**      No ecological problems are to be expected when the product is handled and used with due care and attention.

## Section 13 - Disposal Considerations

**Disposal Considerations**      Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.

## Section 14 - Transport Information

**Transport Information**      Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

## Section 15 - Regulatory Information

**Regulatory Information**      Listed in the Australian Inventory of Chemical Substances (AICS).

## Section 16 - Any Other Relevant Information

**Empirical Formula & Structural Formula**      C<sub>8</sub>H<sub>17</sub>NaO<sub>3</sub>S

**Technical Contact Point**      Paul McCarthy Ph. (08) 8440 2000  
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