

Material Safety Data Sheet

FERROUS SULFATE MONOHYDRATE

Section 1. Chemical Product And Company Identification

Product Name : FERROUS SULFATE MONOHYDRATE
General or Generic ID : SALTS
Company Identification : Tradeasia International Pte Limited
Address: 133 Cecil Street # 12-03 Keck Seng Tower, Singapore
Tel: +65-6227 6365
Fax: +65-6225 6286
Email: contact@chemtradeasia.com

Section 2. Composition/Information On Ingredients

| Ingredient(s) | CAS Number | % (by weight) |
|-----------------------------|------------|---------------|
| FERROUS SULFATE MONOHYDRATE | 7720-78-7 | 100.0 |

Section 3. Hazards Identification

Potential Health Effects

Eye :

May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

Skin :

May cause mild skin irritation. Symptoms may include redness and burning of skin.

Swallowing :

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

Inhalation :

This material is a dust or may produce dust. Breathing this material may be harmful or fatal. Symptoms may include severe irritation and burns to the nose, throat, and respiratory tract.

Symptoms of Exposure :

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea)

Target Organ Effects :

Overexposure to this material (or its components) has been suggested as a cause of the following effects in humans: liver abnormalities, kidney damage lung damage.

Section 4. First Aid Measures

Eyes

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation

If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

Note to Physicians

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: lung (for example, asthma-like conditions), liver, kidney.

Section 5. Fire Fighting Measures

Flash Point : Not applicable

Explosive Limit : Not applicable

Autoignition Temperature : No data

Hazardous Products of Combustion : No data

Fire and Explosion Hazards : No special fire hazards are known to be associated with this product

Extinguishing Media : water fog

Fire Fighting Instructions : No data

NFPA Rating : Not determined

Section 6. Accidental Release Measures

Small Spill :

Cover with soda ash. Mix and scoop into a beaker of water.

Large Spill :

Collect and add slowly to large volume of water.

Section 7. Handling And Storage

Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

Section 8. Exposure Controls/Personal Protection

Eye Protection

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

Skin Protection

Wear resistant gloves such as: polyvinyl chloride, To prevent repeated or prolonged skin contact, wear impervious clothing and boots..

Respiratory Protections

If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type)

under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

Engineering Controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

Section 9. Physical And Chemical Properties

| | |
|------------------------|---------------------------|
| Boiling Point | : Not applicable |
| Vapor Pressure | : Not applicable |
| Specific Vapor Density | : Not applicable |
| Specific Gravity | : 1.300 - 1.400 @ 77.00 F |
| Liquid Density | : Not applicable |
| Percent Volatiles | : No data |
| Evaporation Rate | : Not applicable |
| Appearance | : No data |
| State | : SOLID |
| Physical Form | : CRYSTALS |
| Color | : GREENISH-WHITE COLOR |

Section 10. Stability And Reactivity

Hazardous Polymerization : Product will not undergo hazardous polymerization.

Hazardous Decomposition : No data

Chemical Stability : Stable

Incompatibility : No data

Section 11. Toxicological Information

No data

Section 12. Ecological Information

No data

Section 13. Disposal Consideration

Waste Management Information

Dispose of in accordance with all applicable local, state and federal regulations.

Section 14. Transport Information

DOT Information - 49 CFR 172.101

DOT Description:

NON-REGULATED BY D.O.T.

Container/Mode:

55 GAL DRUM/TRUCK PACKAGE

NOS Component:

None

Section 15. Regulatory Information

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA (UNITED STATES) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4(a)

| Component | RQ (lbs) |
|-----------------|----------|
| FERROUS SULFATE | 1000 |

SARA 302 Components - 40 CFR 355 Appendix A

None

Section 311/312 Hazard Class - 40 CFR 370.2

Immediate(X) Delayed(X) Fire() Reactive() Sudden
Release of Pressure()

SARA 313 Components - 40 CFR 372.65

None

International Regulations

Inventory Status

Not determined

State and Local Regulations

California Proposition 65

None

New Jersey RTK Label Information

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Pennsylvania RTK Label Information

SULFURIC ACID, IRON(2+) SALT (1:1) 7720-78-7

Section 16. Other Information

References: Not available

Other Special Considerations: Not available.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall Tradeasia International Pte. Ltd. Be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Tradeasia International Pte. Ltd. has been advised of the possibility of such damages.