



SAFETY DATA SHEET

Sulphur Bentonite Iron (Omasulf-Iron 22%)

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

| | |
|-------------------------|-----------------------------------------------------------------|
| Chemical Name | : Sulphur Bentonite Iron Fertilizer (Granular) |
| Chemical Formula | : Sulphur 60%, Fe-22%, Ingredient/filler 18% (Mole wt N/A) |
| CAS Number | : (Sulphur-7704-34-9, Fe-7439-89-6) |
| Synonyms | : Omasulf –Iron 22 |
| General Use | : Fertilizer (as soil application) |
| Manufacturer's Name | : Sohar Sulphur Fertilizers L.L.C |
| Address | : Plot 5205, Suhar Industrial City, Suhar, Sultanate of Oman |
| Telephone no. for info. | : +968 26942900 |
| Email | : info@ssfoman.om |
| Date prepared | : Jan 2023 |
| Revision # | : 03 |

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

| | |
|----------------------|-------------------------------------------------|
| Composition | : Sulphur 60%, Iron-22% & Ingredient/filler 18% |
| Hazardous components | : Sulphur and Iron compound |
| TLV | : Unusual chronic toxicity N/A |

SECTION 3 - HAZARDS IDENTIFICATION

| | |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Primary Entry Routes | : Skin, Eyes contact, Inhalation, Ingestion |
| Acute Effects | : Skin contact – frequent or prolonged contact may irritate the skin. Eye contact – Sulphur dust is capable of irritating the inner surfaces of the eyelids. Ingestion – Minimal toxicity irritates the mouth, throat and stomach. May cause digestive tract disorder/damage. Inhalation-sulfur dust may irritate the mucous membranes of the respiratory passage. |
| Carcinogenicity | : None |
| Chronic Effects | : Unusual chronic toxicity N/A |
| NFPA rating | : Not Established |

SECTION 4 - FIRST AID MESURES

| | |
|------------|----------------------------------------------------------------------------|
| Eyes | : Irritate thoroughly with copious quantities of plain water |
| Skin | : Wash thoroughly with mild soap & water. |
| inhalation | : Remove to fresh air. Get medical attention for any breathing difficulty. |



- Ingestion : If swallowed, induce vomiting only if the victim is conscious. DO NOT attempt to give anything by mouth to an unconscious person

SECTION 5 - FIREFIGHTING MEASURES

- Flash point : Liquid -190°C (dust cloud), 220°C (non-dispersed dust)
Flashpoint method : Closed cup
Auto ignition temp. : Dust cloud 190°C
L E L : 35 gm/m³
U E L : 1400 gm/m³
Flammability classify : Conditions to avoid heat, sparks, open flame, static electricity source should be avoided.
Extinguishing media : Fighting fire with a fine water spray or fog is recommended. CO₂ and dry chemicals.
Unusual fire or explosion Hazards : Dust suspended in air is readily ignited by flame, static electricity of friction spark. Every reasonable step to minimize the formation of dust. Sparkles electrical equipment is recommended handling equipment's must be grounded or bonded to avoid static electricity. Keep away from sources of flame or sparks.
Hazardous combustion Products : Burning Sulphur evolves Sulphur dioxide.
Firefighting instructions : Because burning Sulphur evolves Sulphur dioxide, breathing apparatus or gas masks approved for use in acid-gas atmosphere should be used. Fumes from unprotected Sulphur fires shall be avoided, if possible, by approaching the upwind side. Cool containing vessels with flooding quantities of water until well after fire is out. A self-contained breathing apparatus should be used to avoid inhalation of toxic fumes. Evacuate area and fight fire from a safe distance

SECTION 6 - ACCIDENTAL RELEASE MEASURES

- Small Spills : Recover and recycle if possible.
Containment : Contain spilled material ensure that the spilled material does not enter sewers, wells or watercourses which may degrade water quality.
Clean up : Use appropriate tools to put the spilled material in a convenient container for disposal. For landfill disposal, mix with limestone 3 times the weight of Sulphur. Ensure disposal complies with local regulations

SECTION 7 - HANDLING AND STORAGE

- Handling Precautions : Keep away from sources of ignition and incompatible material such as combustible materials. Take precautions against electrostatic discharges. Avoid



contact with skin and eyes. Do not breathe fumes or vapors. Keep out of reach of children

Storage Requirements : Solid becomes corrosive to metals when stored wet. Sulphur/bentonite fertilizer will physically break down when exposed to moisture or water.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering Controls** : Use process enclosures and local exhaust ventilation if dusty condition prevails.
- Respiratory Protection** : Dust-type respirators shall be provided for dusty conditions. Breathing apparatus must be available for emergency use in case of fire.
- Protective Clothing** : Hard hat and safety shoes. Fire-retardant fabric is recommended. Sulphur-impregnated clothing should not be worn.

SECTION 9 - PROTECTION OF PHYSICAL AND CHEMICAL PROPERTIES

- Physical State** : Pastille
- Appearance & Odor** : Slightly greenish,
- Vapor Pressure** : No Information found
- Specific Gravity** : 5.6 gm/ml
- Water Solubility** : Insoluble
- Boiling Point** : 444 °C
- Melting Point** : 119 °C
- Vapor Density** : N/A

SECTION 10 - STABILITY AND REACTIVITY

- Stability** : Unstable
- Chemical incompatibilities** : Reactive with reducing agents, combustible materials, metals, acids, and alkalis.
- Conditions to Avoid** : The main hazards are fire and dust explosions.
- Hazardous Decomposition Product** : Thermal decomposition may result to flammable and release of SO₂

SECTION 11 - TOXICOLOGICAL INFORMATION

- TLV** : 10 mg/m³
- Acute Inhalation Effects** : May cause irritation to mucous membrane of respiratory tract.

SECTION 12 - ECOLOGICAL INFORMATION

- Environmental Fate** : Environment Toxicity – No information found.



SECTION 13 - DISPOSAL CONSIDERATIONS

- Disposal
- : Recycle to process, if possible. Recover and place material in a suitable container for intended use or disposal. Ensure disposal complies with government requirements and local regulations

SECTION - 14 - TRANSPORT INFORMATION

- Storage
- : Sulphur fertilizer will physically break down when exposed to moisture or water. Store in a dry place.
- Normal handling
- : Avoid breathing dust
- Spill or leak
- : Shovel into disposal container to cover with tarpaulin, for land disposal neutralize by adding limestone
- Disposal
- : Contact your local supplier or licensed for detailed recommendation. Follow applicable federal, state and Local regulation

SECTION 15 - REGULATORY INFORMATION

Strong Oxidizer

SECTION 16 - OTHER INFORMATION

- Prepared by
- : QHSE DEPT
- Disclaimer
- : This MSDS and the information it contains is offered to you in good faith as accurate. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individual and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. Now the statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents.