



Material Safety Data Sheet



HMIS

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|---------------|---|
| Health Hazard | 3 |
| Fire Hazard | 3 |
| Reactivity | 0 |

PPE (See Section 15)



Section 1. Chemical Product and Company Identification

Trade Name **Metal Analysis Test 7**

Code RE/MA7

Manufacturer **HazTech Systems, Inc.**
P.O. Box 627
164 Dinsmore
Fortuna, CA 95540

CAS # 1313-82-2

RTECS WE1925000

TSCA TSCA 8(b) inventory:
Sodium sulfide

Commercial Name

Synonyms MA-7
Sodium sulfuret

CI #

In case of emergency contact CHEMTREC
(24 hours) at 800-424-9300

HazTech Systems, Inc. 800-337-2497

Spectrum Chemical Mfg. Corp. 310-516-8000

Chemical Formula Na₂S.xH₂O

Supplier **Spectrum Chemical Mfg. Corp.**
14422 S. San Pedro St.
Gardena, CA 90248

Section 2. Composition and Information on Ingredients

Exposure Limits

| Name | CAS # | TWA (mg/m ³) | STEL | CEIL (mg/m ³) | % by Weight |
|----------------|-----------|--------------------------|------|---------------------------|-------------|
| Sodium sulfide | 1313-82-2 | | | | 100% |

Toxicological Data on Ingredients Sodium sulfide LD50: Not available. LC50: Not available.

Section 3. Hazards Identification

Potential Acute Health Effects Very hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation. Corrosive to eyes and skin. The amount of tissue damage depends on length of contact. Eye contact can result in corneal damage or blindness. Skin contact can produce inflammation and blistering. Inhalation of dust will produce irritation to gastro-intestinal or respiratory tract, characterized by burning, sneezing and coughing. Severe over-exposure can produce lung damage, choking, unconsciousness or death. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated exposure of the eyes to a low level of dust can produce eye irritation. Repeated skin exposure can produce local skin destruction, or dermatitis. Repeated inhalation of dust can produce varying degree of respiratory irritation or lung damage.

Section 4. First Aid Measures

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| Eye Contact | Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention. |
| Skin Contact | If the chemical got onto the clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. If the chemical got on the victim's exposed skin, such as the hands: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Cold water may be used. If irritation persists, seek medical attention. Wash contaminated clothing before reusing. |
| Inhalation | Allow the victim to rest in a well ventilated area. Seek immediate medical attention. |
| Ingestion | Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention. |

Section 5. Fire and Explosion Data

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| Flammability | Flammable. |
| Auto-Ignition Temperature | Not applicable. |
| Flash Point | Not applicable. |
| Flammable Limits | Not applicable. |
| Products of Combustion | Some metallic oxides. |
| Fire Hazards in Presence of Various Substances | Highly flammable in presence of open flames and sparks, of heat. Flammable in presence of combustible materials, of moisture. |
| Explosion Hazards in Presence of Various Substances | Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. |
| Fire Fighting Media and Instructions | Flammable solid. Spontaneously combustible material. Do not use water or foam. SMALL FIRE: Use DRY chemical powder. |
| Special Remarks on Fire Hazards | Not applicable. |

Section 6. Accidental Release Measures

Small Spill Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Section 7. Handling and Storage

Precautions If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes

Storage Keep in HazCat Kit.

Section 8. Exposure Controls/Personal Protection

Engineering Controls Use in a well ventilated area.

Personal Protection Gloves and goggles.

Section 9. Physical and Chemical Properties

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|-------------------------------|---------------------------------------|------------------------|--|
| Physical State and Appearance | Solid. (Deliquescent crystals solid.) | Volatility | Not available |
| Molecular Weight | 240.18 g/mole | Odor Threshold | Not available |
| pH (1% Solution in Water) | Not available | Water/Oil Dist. Coeff. | Not available |
| Boiling Point | Decomposes. | Ionicity (in Water) | Not available |
| Melting Point | Not available | Dispersion Properties | Not available |
| Critical Temperature | Not available | Solubility | Easily soluble in water. Very slightly soluble in methanol. |
| Specific Gravity | 1.86 (Water = 1) | Odor | Not available |
| Vapor Pressure | Not available | Taste | Not available |
| Vapor Density | Not available | Color | Yellow |

Section 10. Stability and Reactivity Data

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|---|-----------------------------|--------------------------------|-------------------------------------|
| Stability | Product is stable. | Corrosivity | Non-corrosive in presence of glass. |
| Instability Temperature | Not available. | Special Remarks on Corrosivity | Not available. |
| Conditions of Instability | Not available. | Polymerization | Will not polymerize. |
| Incompatibility with Various Substances | Highly reactive with acids. | | |

Section 11. Toxicological Information

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| Route of Entry | Dermal contact. Eye contact. Inhalation. Ingestion. |
| Toxicity to Animals | LD50: Not available. LC50: Not available. |
| Chronic Effects on Humans | Not available. |
| Other Toxic Effects on Humans | Very hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation. |
| Special Remarks on Toxicity to Animals | Not available. |
| Special Remarks on Chronic Effects on Humans | Not available. |
| Special Remarks on Other Toxic Effects on Humans | Not available. |

Section 12. Ecological Information

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| Ecotoxicity | Not available. |
| BOD5 and COD | Not available. |
| Products of Biodegradation | Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. |
| Toxicity of the Products of Biodegradation | The product itself and its products of degradation are not toxic. |
| Special Remarks on the Products of Biodegradation | Not available. |

Section 13. Disposal Considerations

Waste Disposal Recycle to process, if possible. Consult your local or regional authorities.

Section 14. Transport Information

DOT Classification CLASS 8: Corrosive solid.

Identification : Sodium sulfide, hydrated : UN1849 PG: II

Special Provisions for Transport Not applicable.

Section 15. Other Regulatory Information and Pictograms

Federal and State Regulations TSCA 8(b) inventory: Sodium sulfide

California Proposition 65 Warnings

Other Regulation OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other classifications WHMIS (Canada) CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC) R38- Irritating to skin.
R41- Risk of serious damage to eyes.

Section 16. Other Information

Catalog Number(s) RE/MA7

References Not available.

Other Special Considerations Not available.

Validated by R. Houghton 8/06/01

Verified by R. Turkington

Call 1-800-543-5487

Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Haztech Systems, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.