



HAZTECH
SYSTEMS,™
INC.

Material Safety Data Sheet

Page 1 of 4



HMIS

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	Part #	RE2050
Manufacturer	HazTech Systems, Inc. PO Box 929 Mariposa, CA 95338	CAS #	1313-82-2
Commercial Name	MA-7	RTECS	WE1925000
Synonyms	Sodium sulfuret	TSCA	TSCA 8(b) inventory: Sodium sulfide
		CI #	

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

HazTech Systems, Inc. 800-543-5487

Spectrum Chemical Mfg. Corp. 310-516-8000

Chemical Formula	Na ₂ S.xH ₂ O
Supplier	Spectrum Chemical Mfg. Corp. 14422 S. San Pedro St. Gardena, CA 90248

Section 2. Composition and Information on Ingredients

Name	CAS #	Exposure Limits			% by Weight
		TWA (mg/m ³)	STEL	CEIL (mg/m ³)	
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.



Metal Analysis Test 7

Page 2 of 4

Section 4. First Aid Measures

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

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.



Metal Analysis Test 7

Page 3 of 4

Section 9. Physical and Chemical Properties

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

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

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

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, 8, UN1849, 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

Part Number(s) RE2050
References Not available.
Other Special Considerations Not available.
Validated by R. Houghton 10/9/02
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.