Material Safety Data Sheet

Sodium Sulphide Solution (RXSOL-19-1622-050)

1. Product and Company Identifaction

Product Name	RXSOL-19-1622-050
Product Type	Sodium Sulfide 20% Solution

Company Details:

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2. Composition / informationon ingredients

SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
Sodium Sulfide	1313- 84-4	20%	W/V	TXDS: orl-rat LD: 200 mg/Kg
Water, Deionized ASTM Type II	7732- 18-5	80%	V/V	None Established

3. Hazards Identification

May be harmful if swallowed. May cause irritation. Avoid breathing vapours, or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

Emergency Overview: Caution Liquid May Be Harmful. Avoid Ingestion, And Contact With Skin, Eyes Or Clothing. If Ingested, Do Not Induce Vomiting. Dilute With Water, Or Milk, And Get Medical Attention. Contact With Acids Produce Hydrogen Sulfide Gas.

Inhalation: May cause mild irritation of the respiratory tract. Symptoms may include coughing, dizziness, nausea and headache.

Ingestion: May cause a sore throat, vomiting, diarrhoea, stomach upset and effects of inhalation.

Skin: May cause irritation, redness, and pain.

Eye Contact: May cause irritation, redness, pain, and tearing.

Chronic Exposure: No Information Found.

Aggravated by Exposure: No Information Found.

4. First Aid Measures

May be harmful if swallowed. May cause irritation. Avoid breathing vapours, or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

SKIN:	Remove contaminated clothing. Wash exposed area with soap and water. if irritation persists, seek medical attention.
EYES:	Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid.
INHALATION:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen
INGESTION	If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

5. Fire-fighting Measures

Fire Extinguisher Type	Any means suitable for extinguishing surrounding fire
Fire / Explosion Hazards	Contact with acids will liberate poisonously flammable hydrogen Sulfide Gas.
Fire Fighting Procedure	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

6. Accidental Release Measures

Absorb spill with inert material, then place in a chemical waste container. Dispose of in a manner consistent with federal, local law.

Ventilate Area of Leak or Spill. Wear Appropriate Personal Protective Equipment as Specified in Section 8. Contain and Recover Liquid when Possible. Collect Liquid in an Appropriate Container or Absorb with an Inert Material (e.g., Vermiculite, Dry Sand, Earth),
and Place in a Chemical Waste Container. Do Not Use Combustible Materials, such as Saw

7. Handling and Storage

Store in a cool dry place. Do not get in eyes, on the skin, on clothing. Wash thoroughly after handling

8. Exposure controls and personal protection

Respiratory Protection	None required
Ventilation	Local
OTHER	Mechanical
Protective Gloves	Gloves to prevent skin exposure as rubber or vinyl
EYE PROTECTION	Splash Goggles
Other Protective Equipment	Wear appropriate clothing to prevent skin exposure

9. Physical and chemical properties

BOILING POINT	~100° C
Vapour PRESSURE	Information not available
MELTING POINT	~0° C
Vapour DENSITY	Information not available
EVAPORATION RATE	N/A
Appearance /Odors	Clear yellow-green liquid with a Sulfur odor
Flash Point	Dust. Maybe combustible at high temp
Specific Gravity	~1.1
Percent Volatile by Evaporation Standard	~90%
Auto Ignition Temp	Not applicable
Lower Flamm. Limit in Air	Not applicable
Upper Flamm. Limit in Air	Not applicable
Solubility in Water	Soluble

10. Stability and reactivity

STABILITY	Stable
CONDITIONS TO AVOID	Avoid contact with incompatible materials.
MATERIALS TO AVOID	Strong oxidizers, acids, metals (Aluminum, Copper, Zinc and their
HAZARDOUS DECOMPOSITION PRODUCTS	See section 10
HAZARDOUS POLYMERIZATION	not expected to occur
Conditions to Avoid	None known

11. Toxicological information

Carcinogenic References: NTP Carcinogen - Known: No, IARC Category- None

12. Ecological information

Environmental Fate: No Information Found.

Environmental Toxicity: No Information Found.

13. Disposal considerations

Dilute with Water and Flush to Sewer if Local Ordinances allow, Otherwise, Whatever Cannot be saved for recovery or recycling should be managed in an appropriate and approved waste Disposal Facility. Processing, use or Contamination of this product may change the waste management options. State and Local Disposal Regulations may Differ from Federal Disposal Regulations. Dispose of Container and Unused Contents in Accordance with Federal, State and
Local Requirements.

14. Transport information

DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

15. Regulatory information

CAS# 1313-84-4 is not on the TSCA Inventory. It is a hydrate and exempt from TSCA Inventory requirements (40CFR720.3(u)(2)).

16. Other information

Contact with acids will liberate poisonous flammable hydrogen sulfide gas. Effects of overexposure / Target organs: Nerves, Cardiovascular system. Inhalation may cause irritation of mucous membranes and respiratory tract. Skin contact may cause irritation and burn to the eyes and skin. The material may be absorbed through the skin causing toxicity similar to hydrogen sulfide poisoning. Ingestion of this material may be toxic. Hydrogen sulfide may be produced in the intestinal tract. The material is corrosive and may produce intestinal and oesophagal burns. First Aid:
Inhalation: remove to fresh air. If ingested, seek medical attention,

Flammability

Health Reactivity

Revisions	NFPA
7/30/2010	0.1 updated msds to 16 section from 10 section msds. STN
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