

1. Product and Company Identification

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

Company Details:

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2. Composition / Information on ingredients

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SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
Sodium Sulfide	1313-38-4	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

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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: Contains Liquid May Be Harmful. Avoid Ingestion, And Contact With Skin, Eyes Or Clothing. If Ingested, Do Not Induce Vomiting. Drink With Warm Or Milk. And Get Medical Attention. Contact With Acid Produces Hydrogen Sulfide Gas.

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

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

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

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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.

INHALATION:

Seek Medical Aid.

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

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Fire Extinguisher Type

Any water suitable for extinguishing surrounding fire

Fire / Explosive Hazards

Contact with acids will liberate poisonous flammable hydrogen Sulfide Gas.

Fire Fighting Procedures

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing

6. Accidental Release Measures

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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

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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

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

9. Physical and chemical properties

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BOILING POINT	-109° C
Vapour PRESSURE	Information not available
MELTING POINT	-41° C
Vapour DENSITY	Information not available
EVAPORATION RATE	N/A
Appearance /Odors	Clear yellow-green liquid with a Sulfur odor
Flash Point	Does. May be combustible at high temp
Specific Gravity	-1.1
Pressure Viable to	-40S
Evaporation Standard	
Auto Ignition Temp	Not applicable
Lower Flamm. Limit in Air	Not applicable
Upper Flamm. Limit in Air	Not applicable
	Soluble

10. Stability and reactivitywww.rxmarine.com**STABILITY****CONDITIONS TO AVOID**

Avoid contact with incompatible materials.

MATERIALS TO AVOID

Strong oxidizers, acids, bases
(Chlorine, Oxygen, Fluorine and Sulfur)

HAZARDOUS DECOMPOSITION

See section 09

PRODUCTS**HAZARDOUS POLYMERIZATION**

not expected to occur

Conditions to Avoid

None known

11. Toxicological informationwww.rxmarine.com

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

12. Ecological informationwww.rxmarine.com

Environmental Fate: No Information Found.

Environmental Toxicity: No Information Found.

13. Disposal considerationswww.rxmarine.com

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 informationwww.rxmarine.com

DOT Classification: Not Regulated

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

15. Regulatory informationwww.rxmarine.com

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 informationwww.rxmarine.com

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 oesophageal burns. First Aid: Inhalation: remove to fresh air. If ingested, seek medical attention,

Flammability

Health

Reactivity

Revisions
7/30/2010

NFPA
0.1 updated msds to 16 section from 10 section msds. STN
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