

1. Product and Company Identification

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Product Name RXSOL-60-6286-001
Product Type Hydrogen Sulfide Test Paper

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Paper saturated with Copper Sulfate

CAS No.: 7758-99-8
TSCA CAS Number: 7758-98-7
Percent Range: 100.0
Percent Range Units: weight / weight
LD50: Oral rat LD50 = 300 mg/kg
LC50: None reported
TLV: 1 mg/m³ (Cu)
PEL: 1 mg/m³ (Cu)
Hazard: Harmful if swallowed Harmful if inhaled. May cause irritation.

3. Hazards Identification

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Emergency Overview:
Appropriate for the spill size.
Other Hazards:
DANGEROUS IF SWALLOWED MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION

HMIS:
Health: 3
Flammability: 0
Reactivity: 2
Physical Hazard: X - See product's label, Section 9.

NFPA:
Health: 3
Flammability: 0
Reactivity: 2
Special: Not applicable

Potential Health Effects:
Eye Contact: May cause irritation.
Skin Contact: May cause irritation.
Swallowing: May irritate.
Target Organs: None reported.
Exposure: May cause dizziness, pain, nausea, vomiting, convulsions, severe dizziness, headache, central nervous system effects, convulsions, coma, liver damage, kidney damage, death.
Target Organs: Liver, Kidney, Central Nervous System.
Reproductive: Not applicable.
Target Organs: Not applicable.
Medical Condition: Aggravated Wilson's disease, Pre-existing skin conditions, Respiratory conditions, Liver conditions, Kidney conditions.
Chronic Effects: Chronic overexposure may cause dermatitis, possible discoloration of the skin or hair, convulsions.

Cancer / Reproductive Toxicity Information:
O.S.A. Listed: No

LC50 Listed: No

NTP Listed: No

Additional Cancer / Reproductive Toxicity Information: None reported
Environmental / Ecological Problems: Not applicable

4. First Aid Measures

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Skin Contact :	Wash skin with plenty of water. Call physician if irritation develops.
Eye Contact:	Immediately flush eyes with water for 15 minutes. Call physician.
INHALATION:	Remove to fresh air.
INGESTION:	Induce vomiting using syrup of ipecac or by sticking finger down throat. Never give anything by mouth to an unconscious person. Call physician immediately

5. Fire-fighting Measures

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Flammable Properties: Can burn in fire, releasing toxic vapors.

Flash Point: Not applicable

Method: Not applicable

Flammability Limits:

Lower Explosion Limits: Not applicable

Upper Explosion Limits: Not applicable

Autoignition Temperature: Not determined

Hazardous Combustion Products: Toxic fumes of: sulfur oxides.

Fire / Explosion Hazards: Do not expose to flames.

Static Discharge: None reported.

Mechanical Impact: None reported

Extinguishing Media: Use media appropriate to surrounding fire conditions

Fire Fighting Instruction: As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

6. Accidental Release Measures

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Spill Response Notice:
Our product properly qualified to respond to an emergency involving hazardous substances may respond to a spill according to federal regulations (OSHA 29 CFR 1910.120(a)(1)) and per your company's emergency plan and guidelines/procedures. See Section 11, Special Instructions for disposal assistance.

Containment Techniques: Stop spilled material from being released to the environment. Releases of this material may contaminate the environment.

Cleanup Techniques: Sweep up material. Place material in a plastic bag. Mark bag "Non-hazardous waste" and dispose of as normal refuse.

Excavation Procedures: Excavate as needed to perform spill cleanup. If conditions warrant, instruct the site of the excavation.

Special Instructions for accidental releases: Product is regulated as a hazardous water pollutant.

MSDS 002 (08 CFR 302) Not applicable

NA 111 Emergency Response Guide Number: Not applicable

7. Handling and Storage

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Handling: Avoid contact with eyes skin clothing Do not breathe dust. Wash thoroughly after handling. Maintain general industrial hygiene practices when using this product.

Storage: Keep container tightly closed when not in use.

Flammability Class: Not applicable

8. Exposure controls and personal protection

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Engineering Controls: Maintain adequate ventilation to keep vapor level below TWA for chemicals in this product. Maintain general industrial hygiene practices when using this product.

Personal Protective Equipment:

Eye Protection: safety glasses with top and side shields

Skin Protection: lab coat disposable latex gloves

Inhalation Protection: adequate ventilation

Precautionary Measures: Avoid contact with: eyes skin clothing Do not breathe: dust Wash thoroughly after handling.

TLV: 1 mg/M³ (Cu)

PEL: 1 mg/M³ (Cu)

9. Physical and chemical properties

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Appearance	<small>See this page down</small>
Physical State	Solid
Molecular Weight	No applicable
Odor	Odorless
pH	No applicable
Vapor Pressure	Not applicable
Vapor Density (air = 1)	No applicable
Boiling Point	No applicable
Melting Point	No applicable
Specific Gravity (water = 1)	No applicable
Evaporation Rate (water = 1)	No applicable
Volatile Organic Compounds Content	No applicable
Partition Coefficient (n-octanol / water)	Not applicable
Solubility	Water: Not applicable
Acid	Not applicable
Other	Not applicable
Metal Corrosivity: Steel	Not determined
Aluminum	Not determined

10. Stability and reactivity

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Chemical Stability	<small>Stable when stored under proper conditions</small>
Conditions to Avoid	Heating to decomposition
Reactivity / Incompatibility	<small>Incompatible with hydrochloric acid</small>
Hazardous Decomposition	<small>Heating to decomposition releases toxic and/or corrosive fumes of sulfur oxides</small>
Hazardous Polymerization	Will Not Occur

11. Toxicological information

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Product Toxicological Data:
LD50: None reported
LC50: None reported

Dermal Toxicity Data: None reported
Skin and Eye Irritation Data: None reported
Mutagenicity Data: Copper sulfate (20% solution) - human lymphocytes - 70 hours
Reproductive Effects Data: None reported
Aquatic Toxicological Data: Copper sulfate - OaD on LD50 = 300 mg/kg

12. Ecological information

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Intended Use: Determination of hydrogen sulfide

References: 29 CFR 1900 - 1910 (Code of Federal Regulations - Labor). Air Contaminants, Federal Register, Vol. 54, No. 12. Thursday, January 19, 1989. pp. 2332-2983. TLV's Threshold Limit Values and Biological Exposure Indices for 1992-1993. American Conference of Governmental Industrial Hygienists, 1992. The Merck Index, 11th Ed. Rahway, New Jersey: Merck and Co., Inc., 1989. Sax, N. Irving. Dangerous Properties of Industrial Materials, 7th Ed. New York: Van Nostrand Reinhold Co., 1989. CCINFO RTECS. Canadian Centre for Occupational Health and Safety. Hamilton, Ontario Canada: 30 June 1993. Gosselin, R. E. et al. Clinical Toxicology of Commercial Products, 5th Ed. Baltimore: The Williams and Wilkins Co., 1984. Vendor Information. Technical Judgment.

Revision Summary: Updates in Section(s) 14,

Legend:

NA - Not Applicable	w/w - weight/weight
ND - Not Determined	w/v - weight/volume
NV - Not Available	v/v - volume/volume

USER RESPONSIBILITY: Each user should read and understand this information and incorporate it in individual site safety programs in accordance with applicable hazard communication standards and regulations.

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