

1. Product and Company Identification

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Product Name RXSOL-60-6185-007
Product Type Sulfuric Acid N/50

Company Details:

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2. Composition / Information on ingredients

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INGREDIENT	CAS No.	%
<small>SULFURIC ACID</small>	<small>7664-93-9</small>	0.1%
Water, Deionized ASTM Type II	<small>7732-18-5</small>	99.99%

3. Hazards Identification

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Emergency Overview

Poison! Danger! Corrosive. Liquid and mist cause severe burns to all surfaces. Ingestion may be fatal if swallowed or contacted with skin. Harmful if inhaled. Airborne dust is highly reactive. Cancer hazard. Strong inorganic acid mists containing sulfuric acid may cause cancer. Risk of cancer depends on duration and level of exposure. Inhalation: Corrosive! Effects should be less severe than from equivalent concentrations of sulfuric acid. Symptoms may include irritation of the respiratory tract, labored breathing, as well as lung edema, damage to mucous membranes.

Ingestion:

Corrosive! Effects should be less severe than from exposure to high concentrations of sulfuric acid. Symptoms include severe burns of the mouth, throat, and esophagus. Circulatory collapse with clammy skin, weak and rapid pulse, shallow breathing, scanty urine may follow ingestion or skin contact. Circulatory shock is an immediate cause of death.

Skin

Corrosive! Can cause Redness, Pain, and Severe Skin Burns. Circulatory shock may follow skin contact. Symptoms include Clammy Skin, Weak and Rapid Pulse, Shallow Respirations, and Scanty Urine. Follow Skin Contact or Ingestion. Circulatory Shock is Often the Immediate Cause of Death

Eye Contact:

Corrosive! Contact can cause Blurred Vision, Redness, Pain and Severe Irritation. Can Cause Blindness

Chronic Exposure:

Long-Term Exposure to Mist or Vapors may Cause Damage to Teeth

Aggravated by Exposure:

Exposure to Mists Containing Sulfuric Acid is a Cancer Hazard
Persons with Pre-Existing skin Disorders or Eye Disease May be more
the Effects of this Substance

4. First Aid Measures www.rxmarine.com

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:	Give several glasses of milk or water. Vomiting may occur spontaneously. Do not INDUCE! Never give anything by mouth to an unconscious person

5. Fire-fighting Measures www.rxmarine.com

<small>Fire Extinguisher Type</small>	<small>Any means suitable for extinguishing surrounding fire</small>
<small>Fire / Explosion Hazard</small>	<small>None</small>
<small>Fire Fighting Procedure</small>	<small>Wear self-contained breathing apparatus and protective clothing to prevent contact with fire and clothing</small>

6. Accidental Release Measures www.rxmarine.com

Absorb spill with inert material, then place in a chemical waste container. Neutralize with a weak base.

<small>Accidental Release</small>	<small>Use proper amount of Leak or Spill: Wear Appropriate Personal Protective Equipment as Specified in Section 8. Isolate Hazard Area. Keep Unnecessary and Unemployed Personnel From Entering. Contain and Recover Liquid When Possible. Neutralize with Alkaline Material (Soda Ash, Lime), then Absorb with an Inert Sorbent</small>
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7. Handling and Storage www.rxmarine.com

Wash thoroughly after handling. Remove contaminated clothes and wash before reuse. Use with adequate ventilation.

8. Exposure controls and personal protection www.rxmarine.com

Respiratory Protection	None required
Ventilation	Local
OTHER	Mechanical
Protective Gloves	Gloves to prevent skin exposure as rubber or vinyl
EYE PROTECTION	Protective Goggles

9. Physical and chemical properties

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BOILING POINT	100°C
VAPOR PRESSURE	Information not available
MELTING POINT	-1°C
VAPOR DENSITY	Information not available
EVAPORATION RATE	Information not available
Appearance /Odors	Clear, colorless/acidic liquid
Flash Point	Not flammable
Specific Gravity	1
Percent Volatile by	> 90%
Evaporation Standard	
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

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STABILITY	
CONDITIONS TO AVOID	Bases, organics
Materials to Avoid	Concentrated Acids and Bases, Water
Hazardous Decomposition Products:	Not known to occur
Hazardous polymerization	Will Not Occur
Conditions to Avoid	None known

11. Toxicological information

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Carcinogenic References The International Agency for Research on Cancer (IARC) has Classified ☐Strong Inorganic Acid Mists Containing Sulfuric Acid☐ as a known Human Carcinogen. This Classification applies only

12. Ecological information

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Environmental Fate:

When released into the soil, this material may leach into groundwater. When released into the air, this material may be removed from the atmosphere by wet deposition. When released into the air, this material may be removed from the atmosphere by dry deposition.

Environmental Toxicity:

LC50 Flounder 100 to 330 mg/l/48 hr aerated water/Conditions of bio specified; LC50 Shrimp 80 to 90 mg/l/48 hr aerated water /Condition specified; LC50 Prawn 42.5 ppm/48 hr salt water /Conditions of bio

This material may be toxic to aquatic life.

13. Disposal considerations

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Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste 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.

Causes severe irritation and burns. May Be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

14. Transport information

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N/A

15. Regulatory information

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N/A

16. Other information

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The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the users own assessment of workplace risk as required by other health and safety legislation.

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