

## 1. Product and Company Identification

www.rxmarine.com

Product Name RXSOL-60-6186-500  
Product Type Sulfuric Acid N/10

### Company Details:

RX MARINE INTERNATIONAL  
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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>	0.28%
D I Water	<small>7732-18-5</small>	99.72%

## 3. Hazards Identification

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### Emergency Overview:

Poison! Danger! Corrosive. Liquid and mist cause severe burns to all body parts. May be fatal if swallowed or contacted with skin. Harmful if inhaled. Aqueous solution 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 exposure to higher concentrations of sulfuric acid. Symptoms may include irritation of the nose and throat, difficulty breathing, as well as lung edema, damage to mucous membranes and respiratory tract.

### Ingestion:

Corrosive! Effects should be less severe than from exposure to higher 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. Symptoms include severe burns with Clammy Skin, Weak and Rapid Pulse, Shallow Respirations, and difficulty breathing. May 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 Burns. Can Cause Blindness

Chronic Exposure:

Long-Term Exposure to Mist or Vapors may Cause Damage to Teeth  
Exposure to Mists  
Containing Sulfuric Acid is a Cancer Hazard.

Aggravated by Exposure:

Persons with Pre-Existing skin Disorders or Eye Disease May be more  
the Effects of this Substance

#### 4. First Aid Measures

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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, provide 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

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Fire Extinguisher Type:

Any means suitable for extinguishing surrounding fire may be used.

Fire / Explosion Hazards:

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. Neutralize with a weak base.

Accidental Release: Ventilate area of Leak or Spill. Wear Appropriate Personal Protective Equipment as Specified in Section 8. Isolate Hazard Area. Keep Unnecessary and Unprotected Personnel from Entering.

Contain and Recover Liquid when Possible. Neutralize with Alkaline Material (Soda-Ash, Lime), then Absorb with an Inert Material (e.g., Vermiculite, Dry Sand, Earth), and place in a Chemical Waste Container.

#### 7. Handling and Storage

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Store in a cool dry place. Do not get in eyes, on skin or 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

Wear appropriate gloves to prevent skin exposure

EYE PROTECTION

Splash Goggles

## 9. Physical and chemical properties

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BOILING POINT		~100° C
VAPOR PRESSURE	Information not available	
MELTING POINT	~ 0° C	
VAPOR DENSITY	Information not available	
EVAPORATION RATE	1	
Appearance /Odors	Clear colorless solution/ no odor	
Flash Point	Not flammable	
Specific Gravity	~1.0	
<small>Freeze Solids To</small>	<small>&gt; 95%</small>	
<small>Evaporation Standard</small>	<small>Water 1</small>	
<small>Amb Ignition Temp</small>	<small>Not applicable</small>	
<small>Lower Flamm. Limit in Air</small>	<small>Not applicable</small>	
<small>Upper Flamm. Limit in Air</small>	<small>Not applicable</small>	
Solubility in Water	Soluble	

## 10. Stability and reactivity

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STABILITY		Stable
CONDITIONS TO AVOID	See incompatibilities	
MATERIALS TO AVOID	<small>Concentrated acids and bases, water, oxidizing materials.</small>	
HAZARDOUS DECOMPOSITION PRODUCTS	<small>Sulfur oxides</small>	
HAZARDOUS POLYMERIZATION	Will Not Occur	
Conditions to Avoid	None known	

## 11. Toxicological information

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Carcenogenic References The International Agency for Research on Cancer (IARC) has Classified [GHS07]Strong Inorganic Acid Mists Containing Sulfuric Acid[GHS07] 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 to a moderate extent by wet deposition. When released into the air, this material may be removed from the atmosphere to a moderate extent by dry deposition.Environmental Toxicity:LC50 Flounder 100 to 330 mg/l/48 hr aerated water/Conditions of bioassay not specified; LC50 Shrimp 80 to 90 mg/l/48 hr aerated water /Conditions of bioassay not specified; LC50 Prawn 42.5 ppm/48 hr salt water /Conditions of bioassay not specified. 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.

### 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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