

## 1. Product and Company Identification

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Product Name Methane sulphonyl chloride  
Part Number RXSOL-19-3524-200

Company Details:....

RX MARINE INTERNATIONAL  
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## 2. Composition / Information on ingredients

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Substance  
Chemical name Methane sulphonyl chloride

CAS number/other identifiers

CAS number : 124-63-0

| Ingredient name | %   | CAS number |
|-----------------|-----|------------|
| CAS number      | 100 | 124-63-0   |

**Toxicological Data on Ingredients:** Methanesulphonyl chloride: ORAL (LD50): Acute: 50 mg/kg [Rat]. 200 mg/kg [Mouse]

## 3. Hazards Identification

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**Potential Acute Health Effects:**

Very hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (corrosive), of eye contact (corrosive). Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Severe over-exposure can result in death. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

**Potential Chronic Health Effects:**

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

## 4. First Aid Measures

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|                             |   |
|-----------------------------|---|
| <b>Eye Contact</b>          | Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.  |
| <b>Skin contact</b>         | In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.   |
| <b>Serious Skin Contact</b> | Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.   |
| <b>Inhalation</b>           | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately   |
| <b>Serious Inhalation</b>   | Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. <b>WARNING:</b> It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention. |
| <b>Ingestion</b>            | If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately  |
| <b>Serious Ingestion</b>    | Not available.  |

## 5. Fire-fighting Measures

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|  |   |
|--|---|
| <b>Flammability of the Product</b>                         | May be combustible at high temperature.   |
| <b>Auto-Ignition Temperature</b>                           | Not available   |
| <b>Flash Points</b>  | CLOSED CUP: 110°C (230°F)<br><br>spray to keep fire-exposed containers cool.Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water<br><br>spray to keep fire-exposed containers cool.<br>Not available. |
| <b>Flammable Limits</b>                                    | Not available.  |
| <b>Products of Combustion</b>                              | These products are carbon oxides (CO, CO <sub>2</sub> ), halogenated compounds  |
| <b>Fire Hazards in Presence of Various Substances:</b>     | Not available.  |
| <b>Explosion Hazards in Presence of Various Substances</b> | Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available   |
| <b>Fire Fighting Media and Instructions:</b>               | SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.  |
| <b>Special Remarks on Fire Hazards</b>                     | Not available.  |
| <b>Special Remarks on Explosion Hazards</b>                | Not available.  |

## 6. Accidental Release Measures

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|                    |   |
|--------------------|---|
| <b>Small Spill</b> | Absorb with an inert material and put the spilled material in an appropriate waste disposal.  |
| <b>Large Spill</b> | Corrosive liquid. Poisonous liquid. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray curtain to divert vapor drift. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. |
| <b>Precautions</b> | Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.  |
| <b>Storage</b>     | Keep container tightly closed. Keep container in a cool, well-ventilated area.  |

## 7. Handling and Storage

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### Precautions for safe handling

|                    |  |
|--------------------|--|
| <b>Precautions</b> | Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapor/spray. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. |
| <b>Storage</b>     | Keep container tightly closed. Keep container in a cool, well-ventilated area.   |

## 8. Exposure controls and personal protection

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|   |   |
|---|---|
| <b>Engineering Controls</b>                         | Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.              |
| <b>Personal Protection</b>                          | Face shield. Full suit. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves. Boots.   |
| <b>Personal Protection in Case of a Large Spill</b> | Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product. |
| <b>Exposure Limits</b>                              | Not available.  |

## 9. Physical and chemical properties

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### Appearance

|                         |                |
|-------------------------|----------------|
| <b>Physical state</b>   | Liquid         |
| <b>Odor</b>             | Not available. |
| <b>Taste</b>            | Not available. |
| <b>Molecular Weight</b> | 114.55 g/mole  |

|                              |                    |
|------------------------------|--------------------|
| <b>Color</b>                 | Not available.     |
| <b>pH (1% soln/water)</b>    | Not available      |
| <b>Melting Point</b>         | Not available      |
| <b>Boiling Point</b>         | 161°C (321.8°F)    |
| <b>Critical temperature</b>  | Not available      |
| <b>Specific Gravity</b>      | 1.4805 (Water = 1) |
| <b>Vapor pressure</b>        | Not available      |
| <b>Vapor density</b>         | 3 (Air = 1)        |
| <b>Volatility</b>            | Not available.     |
| <b>Odor Threshold</b>        | Not available.     |
| <b>Water/Oil Dist. Coeff</b> | Not available.     |
| <b>Ionicity (in Water)</b>   | Not available.     |
| <b>Dispersion Properties</b> | Not available.     |
| <b>Solubility</b>            | Not available      |

## 10. Stability and reactivity

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|  |   |
|--|---|
| <b>Stability</b>                               | The product is stable   |
| <b>Instability Temperature</b>                 | Not available.  |
| <b>Conditions of Instability</b>               | Not available   |
| <b>Incompatibility with various substances</b> | Under normal conditions of storage and use, hazardous reactions will not occur. |
| <b>Corrosivity</b>                             | Non-corrosive in presence of glass.   |
| <b>Special Remarks on Reactivity</b>           | Moisture sensitive  |
| <b>Special Remarks on Corrosivity</b>          | Not available.  |
| <b>Polymerization</b>                          | Will not occur  |

## 11. Toxicological information

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### Information on toxicological effects

|   |   |
|---|---|
| <b>Routes of Entry</b>                                  | Inhalation. Ingestion   |
| <b>Toxicity to Animals</b>                              | Acute oral toxicity (LD50): 50 mg/kg [Rat]  |
| <b>Chronic Effects on Humans</b>                        | Not available   |
| <b>Other Toxic Effects on Humans</b>                    | Very hazardous in case of skin contact (irritant), of ingestion, . Hazardous in case of inhalation (lung corrosive). Slightlyhazardous in case of skin contact (corrosive), of eye contact (corrosive). |
| <b>Special Remarks on Toxicity to Animals</b>           | Not available   |
| <b>Special Remarks on Chronic Effects on Humans</b>     | Not available   |
| <b>Special Remarks on other Toxic Effects on Humans</b> | Not available   |

## 12. Ecological information

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|  |   |
|--|---|
| <b>Ecotoxicity</b>                                       | Not available   |
| <b>BOD5 and COD</b>                                      | Not available   |
| <b>Products of Biodegradation</b>                        | Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. |
| <b>Toxicity of the Products of Biodegradation</b>        | The products of degradation are as toxic as the product itself.   |
| <b>Special Remarks on the Products of Biodegradation</b> | Not available   |

## 13. Disposal considerations

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### Waste Disposal

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## 14. Transport information

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### DOT Classification

Class 8: Corrosive material CLASS 6.1: Poisonous material

**Identification:** : Methanesulfonyl Chloride UNNA: 3246 PG :I

**Special Provisions for Transport:** Not available.

## 15. Regulatory information

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### Federal and State Regulations

TSCA 8(b) inventory: Methanesulphonyl chloride

### Other Regulations

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

**Other Classifications:**For this product a chemical safety assessment was not carried out

### WHMIS (Canada)

CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC). CLASS D-2B: Material causing other toxic effects (TOXIC). CLASS E: Corrosive liquid.

### DSCL (EEC)

R22- Harmful if swallowed.

R34- Causes burns.

S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.

S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S46- If swallowed, seek medical advice immediately and show this container or label.

### HMIS (U.S.A.)

**Health Hazard: 3**

**Fire Hazard: 1**

**Reactivity: 1**

**Personal Protection:**

### National Fire Protection Association (U.S.A.):

**Health: 3**

**Flammability: 1**

**Reactivity: 1**

**Specific hazard:**

### Protective Equipment

Gloves. Full suit. Vapor respirator. Be sure to use an approved/certified

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respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Face shield.

## 16. Other information

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### Other Information

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