

1. Product and Company Identification

www.rxmarine.com

Product Name **RXSOL-19-1208**
Product Type **KEROSENE**

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Stock Point : Mumbai, Kandla, Kolkata, Chennai, Vizag, Fujairah, Muscat

Phone +91 22 65113333 / 5555 / 9999 / 27611360
Fax +91 22 2781 1318 :::AOH :0091 9821214367
Email mail@rxmarine.com

2. Composition / Information on ingredients

www.rxmarine.com

Chemical Name	CAS No	weight Percentage
Kerosene	8008-20-6 or 64742-81-0	100

Toxicological Data on Ingredients: Kerosene: ORAL (LD50): Acute: 15000 mg/kg [Rat]. 20000 mg/kg [Guinea pig]. 2835mg/kg [Rabbit].

3. Hazards Identification

www.rxmarine.com

Potential Acute Health Effects

Hazardous in case of skin contact (irritant), of eye contact (irritant) and inhalation. Slightly hazardous in case of skin contact (permeator). Severe skin contact can result in death.

Potential Chronic Health Effects

Slightly hazardous in case of skin contact (sensitizer).

Carcinogenic Effects

Not available.

Mutagenic Effects

Mutagenic for bacteria and/or yeast.

Teratogenic Effects

Not available.

Developmental Toxicity

Not available.

The substance is toxic to the nervous system. The substance may be toxic to blood, kidneys, liver, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage. 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

www.rxmarine.com

Eye Contact

Check for and remove any contact lenses. In case of contact, immerse eyes with plenty of water for at least 15 minutes. Get medical attention.

Serious Skin Contact

Wash with a disinfectant soap and cover the contaminated skin with a protective cream. Seek immediate medical attention.

Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Serious Inhalation

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 not breathing, perform mouth-to-mouth resuscitation. **WARNING:** Do not use mouth-to-mouth resuscitation if the material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion:

If swallowed, do NOT induce vomiting. If swallowed, do not induce

Serious Ingestion

directed to do so by medical personnel. Never give anything to an unconscious person. Loosen tight clothing such as a collar, tie, belt, or cuffs. If the person is breathing, give them oxygen. Get medical attention immediately.

Not available.

5. Fire-fighting Measures

www.rxmarine.com

Flammability of the Product

Flammable.

Auto-Ignition Temperature

210°C (410°F)

Flash Points

CLOSED CUP: 38°C (100.4°F) (Tagliabue.)

Flammable Limits

LOWER: 0.7% UPPER: 5%-7%

Products of Combustion

Not available.

Fire Hazards in Presence of Various Substances

Flammable in presence of open flame and sparks, of heat.

Explosion Hazards in Presence of Various Substances:

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.

Fire Fighting Media and Instructions:

Flammable liquid, insoluble in water.

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure

build-up, autoignition or explosion.

Special Remarks on Fire Hazards: Not available. Special Remarks on Explosion Hazards: Not available.

6. Accidental Release Measures

www.rxmarine.com

Small Spill

Absorb with an inert material and put the spilled material in an appropriate container for disposal.

Large Spill

Toxic flammable liquid, insoluble or very slightly soluble in water. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other inert material. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined spaces. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined spaces if needed. Call for assistance on disposal.

7. Handling and Storage

www.rxmarine.com

Precautions

Keep locked up. Keep away from heat. Keep away from sources of ignition. Keep away from all equipment containing material. Do not ingest. Do not breathe vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately. Refer to the container or the label. Avoid contact with skin and eyes. Avoid contact with incompatible materials such as oxidizing agents.

Storage

Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid contact with sources of ignition (spark or flame).

8. Exposure controls and personal protection

www.rxmarine.com

Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the concentrations of vapors below their respective threshold limit value. Eyewash stations and safety showers are proximal to the work-station.

Personal Protection

Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved

Personal Protection in Case of a Large Spill

Exposure Limits

respirator or equivalent. Gloves.

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.

Not available.

9. Physical and chemical properties

www.rxmarine.com

Physical state and appearance

Odor

Liquid. (Oily liquid.)

Taste

Not available.

Molecular Weight

Not available.

Color

Not available.

pH (1% soln/water)

Yellow. Clear (Light.)

Boiling Point

Not applicable

Melting Point

149°C (300.2°F) - 325 C

Critical Temperature

Not available.

Specific Gravity

Not available.

Vapor Pressure

840(Water = 1)

Vapor Density

0.1 kPa (@ 20°C)

Volatility

4.5 (Air = 1)

Odor Threshold

Not available.

Water/Oil Dist. Coeff

Not available.

Dispersion Properties

Not available.

Solubility

Not available.

Insoluble in cold water, hot water. Miscible with other petroleum solvents.

10. Stability and reactivity

www.rxmarine.com

Stability

The product is stable.

Instability Temperature

Not available.

Conditions of Instability

Heat, ignition sources (sparks, flames), incompatible materials

Incompatibility with various substances

Reactive with oxidizing agents.

Corrosivity

Not considered to be corrosive for metals and glass

Special Remarks on Reactivity

Not available.

Special Remarks on Corrosivity

Not available.

Polymerization

Will not occur.

11. Toxicological information

www.rxmarine.com

Routes of Entry

Absorbed through skin. Eye contact.

Toxicity to Animals

Acute oral toxicity (LD50): 2835 mg/kg [Rabbit].

Chronic Effects on Humans

MUTAGENIC EFFECTS

Mutagenic for bacteria and/or yeast.

Causes damage to the following organs

the nervous system.

May cause damage to the following organs

blood, kidneys, liver, central nervous system (CNS).

Other Toxic Effects on Humans:

Hazardous in case of skin contact (irritant), of ingestion, of inhalation (irritant). Slightly hazardous in case of skin contact (permeator).

Special Remarks on Toxicity to Animals

Not available.

Special Remarks on Chronic Effects on Humans

May affect genetic material (mutagenic)

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects:

Skin	Causes moderate to severe skin irritation. It can cause defatting dermatitis.
Eyes	May cause eye irritation
<p>Inhalation: May cause respiratory tract and mucous membrane irritation and a burning sensation in the chest. Because of its relatively low volatility, overexposure is uncommon, but it can occur in poorly ventilated areas or by inhalation of mists or aerosols. Symptoms of inhalation overexposure include central nervous system depression (transient euphoria, headache, irritability, excitement, ringing in the ears, weakness, incoordination, confusion, disorientation, drowsiness, tremor, hallucinations, seizures, coma, death). May affect the heart (cardiac arrhythmias), liver, kidneys, and respiration (asphyxia, apnea, acute pulmonary edema, dyspnea, cyanosis). Ingestion: Causes gastrointestinal tract irritation with burning sensation in mouth, esophagus, and stomach, respiration/trachea/bronchi through aspiration which can cause hypoxia, chemical pneumonitis, and noncardiogenic pulmonary edema, pulmonary hemorrhage, coughing, breathing difficulty, pulmonary edema, emphysema, respiratory stimulation. It may also affect the heart (dysrhythmias, myocardial depression, tachycardia), liver, endocrine system (hypoglycemia), behavior/central nervous system (symptoms similar to that of inhalation). Chronic Potential Health Effects: Inhalation: Repeated or prolonged exposure cause respiratory tract irritation and affect behavior/central nervous system with symptoms similar to that of acute inhalation. It may also affect the blood cell count, changes in serum composition, pigmented or nucleated red blood cells, leukopenia, normocytic anemia, cardiovascular system, respiratory system (bronchi), and may cause kidney damage. Ingestion: Repeated or prolonged ingestion may affect the liver, endocrine system (adrenal gland, pancreas, spleen, thyroid), (weight loss), and blood. Skin: Repeated or prolonged skin contact may cause defatting dermatitis, erythema, and eczema-like skin lesions, drying and cracking, possible burns.</p>	

12. Ecological information

www.rxmarine.com

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, degradation products may arise
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	Not available.

13. Disposal considerations

www.rxmarine.com

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

14. Transport information

www.rxmarine.com

DOT Classification	CLASS 3: Flammable liquid.
Identification	Kerosene UNNA: 1223 PG: III
Special Provisions for Transport	Not available.

15. Regulatory information

www.rxmarine.com

Federal and State Regulations	
Connecticut hazardous material survey	Kerosene
Rhode Island RTK hazardous substances	Kerosene
Pennsylvania RTK	Kerosene
Massachusetts RTK	Kerosene
Massachusetts spill list	Kerosene
New Jersey	Kerosene
TSCA 8(b) inventory	KeroseneKerosene

Other Regulations:

OSHA	Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)
EINECS	This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications	
WHMIS (Canada)	
CLASS B-3	Combustible liquid with a flash point between 37.8°C (100°F) and 93°C
CLASS D-2B	Material causing other toxic effects (TOXIC).
DSCL (EEC):	
DSCL (EEC):	
R65- Harmful	may cause lung damage if swallowed
S23- Do not breathe gas/fumes/vapour/spray	
S24- Avoid contact with skin.	
S62- If swallowed,	
do not induce vomiting	seek medical advice immediately and show this container or label.
HMIS (U.S.A.):	
Health Hazard	2
Fire Hazard	2
Reactivity	0
Personal Protection:	h
National Fire Protection Association (U.S.A.):	
Health	0
Flammability	2
Reactivity	0
Specific hazard	
Protective Equipment:	
Gloves.	
Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.	

16. Other information

www.rxmarine.com

References	Not available.
Other Special Considerations	Not available.
Created	10/09/2005 05:54 PM
Last Updated	10/09/2005 05:54 PM

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall ScienceLab.com be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if ScienceLab.com has been advised of the possibility of such damages.

DISCLAIMER OF LIABILITY :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.