Material Safety Data Sheet

Acetic Acid Glacial (RXSOL-60-6242-500)

1. Product and Company Identifaction

Product Name	RXSOL-60-6242-500
Product Type	Acetic Acid, Glacial L.R.Grade

Company Details:

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

Stock Points: Mumbai, Kandla, Kolkata, Vishakhapatnam, Chennai, Fujairah, Muscat, Kenya, Canada

Phone	+91 22 27815540 / 41 / 42
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
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2. Composition / informationon ingredients

SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
Acetic Acid, Glacial	CAS# 64-19-7	99.5-100%	V/V	10 ppm OSHA TWA, 15 ppm OSHA STEL

3. Hazards Identification

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.

Emergency Overview:Poison! Danger! Corrosive. Liquid and mist cause severe burns to all body tissue. May be fatal if swalowed. Harmful if inhaled. Inhalation may cause lung and tooth damage. Flammable liquid and vapor.

Inhalation:Inhalation of Concentrated Vapors can cause Serious Damage to the Lining of the
Nose, Throat, and Lungs. Breathing Difficulties may occur. Neither Odor nor Degree of Irritation are Adequate to Indicate Vapor Concentration.

Ingestion:Swallowing can Cause Severe Injury Leading to Death. Symptoms Include Sore Throat, Vomiting, and Diarrhea. Ingestion of as Little as 1.0 mL has Resulted in Perforation of the Esophagus.

Skin:Contact with Concentrated Solutions may cause serious damage to the skin. Effects may include Redness, Pain, and Skin Burns. High Vapor Concentrations may cause skin Sensitization.

Eye Contact:Vapors are Irritating and May cause Damage to Eyes. Contact May cause Severe Burns and Permanent Eye Damage.

Chronic Exposure:Long-Term Exposure may cause Darkening of the skin. May cause Erosion of Teeth and Chronic Inflammation or the Nose, Throat, and Bronchial Tubes.

Aggravated by Exposure:Persons with Pre-Existing skin Disorders or Eye Problems, or Impaired Respiratory Function May be more Susceptible to the Effects to this Substance.

4. First Aid Measures

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.

SKIN: In case of contact, immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes.

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, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

5. Fire-fighting Measures

Fire Extinguisher Type:	Any means suitable for extinguishing urrounding fire
Fire / Explosion Hazards:	Vapor may travel considerable distance to source of ignition and flash back.
Fire Fighting Procedure:	Use water spray to cool fire exposed containers.

6. Accidental Release Measures

Absorb spill with inert material, then place in a chemical waste container. Neutralize with a weak base. 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. Absorb with an Inert Material (e.g., Vermiculite, Dry Sand, Earth), and place in a Chemical Waste Container. Do Not Use Combustible Materials, such as Saw Dust.

7. Handling and Storage

Store in a cool, dry, well-ventilated place away from incompatible materials. Wash thoroughly after handling.

8. Exposure controls and personal protection

Respiratory Protection	NIOSH/MSHA-approved respirator
Ventilation	Local
OTHER	Mechanical
Protective Gloves	NIOSH Approved Gloves
EYE PROTECTION	Goggles and Face Shield
Other Protective Equipment	Wear appropriate clothing to prevent skin exposure

9. Physical and chemical properties

BOILING POINT	118°C
VAPOR PRESSURE	11mm Hg @ 20°C
MELTING POINT	17°C
VAPOR DENSITY	Information not available
EVAPORATION RATE	0.97
Appearance /Odors	Clear liquid,sharp vinegar odor

Flash Point	41°C
Specific Gravity	1.05
Percent Volatile by	>99
Evaporation Standard	Water=1
Auto Ignition Temp	Not available
Lower Flamm. Limit in Air	4.0%
Upper Flamm. Limit in Air	19.9%
Solubility in Water	Soluble

10. Stability and reactivity

STABILITY	Stable
CONDITIONS TO AVOID	Avoid contact with heat, sparks, flames, and incompatible materials.
MATERIALS TO AVOID	strong bases, oxidizable materials
HAZARDOUS DECOMPOSITION PRODUCTS	Toxic fumes of: Carbon Monoxide, Carbon Dioxide
HAZARDOUS POLYMERIZATION	Will Not Occur
Conditions to Avoid	None known

11. Toxicological information

Carcinogenic References NTP Carcinogen- Known: No, IARC Category –None

12. Ecological information

Environmental Fate:When released into the air, this material may be moderately degraded by reaction with photochemically produced hydroxyl radicals. When released into air, this material is expected to have a half-life between 10 and 30 days. When released into water, this material is expected to readily biodegrade. When released into the water, this material is expected to have a half-life between 1 and 10 days. Standard dilution BOD5/TOD = 58% When released into the soil, this material is expected to readily biodegrade. This material is not expected to significantly bioaccumulate. This material has an estimated bioconcentration factor (BCF) of less than 100. Environmental ToxicityThis material is expected to be slightly toxic to aquatic life. The LC50/96- hour values for fish are between 10 and 100 mg/l.

13. Disposal considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to 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

DOT Classification: UN2789, Acetic Acid, Glacial, 8, (3), PG II

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

15. Regulatory information

Chemical Inventory Status –
Part 1:Ingrdient
Acetic Acid (64-19-7)
TSCA Yes
EC Yes
Japan YES
Australia Yes

Chemical Inventory Status –
Part 2:Ingredient
Acetic Acid (64-19-7)
Korea Yes
DSL Yes
NDSL No
Phil. Yes

Federal, State & International Regulations –
Part 1: Ingredient.
Acetic Acid (64-19-7)
RQ No
TPQ No
List NO
Chemical Catg No

Federal, State &
International Regulations –
Part 2:Ingredient
Acetic Acid (64-19-7)
CERCLA 5000
261.33 No
8(d) No

Chemical Weapons Convention: No
TSCA 12 (b):No
CDTA:No PURE/LIQUID
SARA 311/312: Acute: YES
Chronic: YES
Fire: YES
Pressure: No
Reactivity: YES
Australian Hazchem Code: 2PE
Poison Schedule: S6

16. Other information

Conditions aggravated/target organs: Corrosive! Persons with pre- existing skin, eye and respiratory conditions will be more susceptible. Acute: Severe irritation or burns to skin, eyes, respiratory tract, GI tract. Chronic: Dermatitis, eye damage, lung

Flammability

Health Reactivity

Revisions	NFPA
7/30/2010	0.1 updated msds to 16 section from 10 section msds. STN 0

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