

1. Product and Company Identification

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Product Name RXSOL-45-1503-005
Product Type Citric Acid Corrosion Inhibitor

Supplier Details:

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

Stock Point : Mumbai, Kandla, Surat, Kolkata, Chennai, Vizag, FUjairah, Muscat

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2. Composition / Information on ingredients

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Chemical Name	CAS Number	%
Complex substitute Keto-Amine-Hydrochloride	Proprietary	10 - 30
2 - Propanol	67-63-0	10 - 30
Alkylphenol ethoxylate	Proprietary	5 - 10
Propargyl alcohol	107-19-7	5 - 10
Butenone	78-94-4	1 - 5
Acetone	67-64-1	1 - 5
Acetophenone	98-86-2	0.1 - 1
Diethyl Thio UREA	27598-95-4	5.0%
Propylene Glycol	57-55-6	1.0%
HEXAMINE	100-97-0	1.0%
Disodium COCOampho Dipropionate	68604-71-7	20%
DTPMPA	10%
HEDP		10%

3. Hazards Identification

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Odour	solvent
Appearance	Brown
Contact with eyes	Contact can cause moderate to severe irritation and stinging, tearing, redness, swelling, and blurred vision.
Contact with skin	corrosive to the skin contact with the skin or mucous membranes. This product contains a component that causes allergic dermatitis.
Inhalation	This product is irritating to the respiratory system. In severe cases, serious central nervous system disorders may result, including dizziness, nausea and incoordination.
Ingestion	Ingestion can cause gastrointestinal irritation, nausea and vomiting if swallowed.

4. First Aid Measures

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Contact with skin

Remove contaminated clothing immediately and wash with soap and water. Seek medical advice if necessary.

Contact with eyes

If substance has got into eyes, immediately wash eyes with plenty of water to drink. Get immediate medical attention. Do not induce vomiting.

Ingestion

Get immediate medical attention. Do not induce vomiting.

Inhalation

If mist or vapor of this product is inhaled, remove person to fresh air. If symptoms develop or persist, seek medical attention.

5. Fire-fighting Measures

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FlashPoint:

680 F(200 c) Tagliague closed cup

Autoignition temperature:

Not determined

Flammable/Explosive limits - lower :

Not determined

Flammable/Explosive limits - upper :

Not determined

Extinguishing media :

Foam, Dry chemical or carbon dioxide. Water may be used for fire, keep containers cool with water spray.

Special firefighting procedures :

Wear full protective clothing. Wear self-contained breathing apparatus.

Unusual fire or explosion hazards :

Fire and Explosion hazards are DANGEROUS when exposed to heat. Vapors are heavier than air and may travel along floor to an ignition source. Irritation and toxic gases or fumes may be released.

Hazardous combustion products :

Not available

Sensitive to Mechanical impact:

Not available

Sensitive to static discharge :

6. Accidental Release Measures

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Personal Precautions

Wear protective clothing as per section 8

Environmental Precautions:

Ventilate area. Prevent further leakage or spillage if safe to do so. Eliminate all source of ignition or flammables that could cause contact with a spill of this material. Wear appropriate protective equipment and clothing during clean-up.

Clean Up methods:

Absorb Spill with inert material. Shovel material into appropriate container for disposal. Dispose of according to Federal and state government regulations.

7. Handling and Storage

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Handling

Avoid contact with eyes. Avoid contact with skin and clothing. Wash thoroughly after handling. Avoid breathing vapors of this product. Do not take internally. For industrial use only. Keep away from heat, spark and flame.

Storage

For safe storage, store between 0° F (-17.8° C) and 120° F (48.9° C) keep container tightly closed and in a cool, well-ventilated area. Store away from incompatible materials. Remove all Source of ignition.

8. Exposure controls and personal protection

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Engineering controls:	Use general ventilation and local exhaust, where possible, in confined or enclosed spaces.
Respiratory protection :	If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respirator protection must be provided.
Eye/face protection:	Wear chemical goggles; face shield (if splashing is possible).
Skin protection :	Chemical resistant, impermeable gloves . Gloves should be tested to determine suitability for prolonged contact . use of boots and boots are recommended.

9. Physical and chemical properties

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Physical state	Liquid
color	Brown
Odour	solvent
Odour threshold	Not available
pH	< 2
Vapor pressure	Not determined
Boiling point/range	>82.2 °C (> 108OC)
Melting point/ range	-20OF (-28.9OC)
Specific gravity	1.02 - 1.05 at 60OF (15.56OC)
Vapor density	Not determined
Flash point	68OF (20OC) Tangliabue closed cup
Flammable / Explosive limits - lower	Not determined
Flammable / Explosive limits - upper	Not determined
Autoignition temperature	Not determined
Evaporation rate	Not determined
Solubility in water	Appreciable
Partition coefficient (n-octanol/water)	Not determined
VOC content	27.2% EPA Method 24

10. Stability and reactivity

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Stability - stable at normal conditions

Hazardous reactions - Will not occur.

Hazardous decomposition products - Upon decomposition, this product may yield oxides of nitrogen and ammonia ,carbon dioxide

carbonmonoxide and other low molecular weight hydrocarbons.

Incompatible materials - This product may react with strong alkalis. Keep separate from strong oxidizing and strong

reducing agents . Do not mix with chlorides.

Conditions to Avoids - Keep away from heat, ignition source and incompatible materials.

11. Toxicological information

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Toxicological information	No experimental data available Inhalation. Vapours or aerosols may cause irritation of Eyes, Nose and Respiratory tract.
Contact with skin	In cases of severe exposure, redness and irritation may develop.
Contact with eyes	Causes irritation.
Ingestion	May cause gastro-intestinal disturbances
Carcinogenicity	No evidence of carcinogenic effects.

12. Ecological information

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Ecological information: Harmful to aquatic organisms .

13. Disposal considerations

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Recommended methods of disposal: Dispose of according to Federal, state and local gov

14. Transport information

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canada transportation of dangerous goods ground

proper shipping name	liquid corrosive N.O.S.
hazard class of division	3(8)
identification number	UN2924
packing group	II

international air transportation

proper shipping name	liquid corrosive n.o.s.
hazard class or division	3(8)
identification number	UN2924
packing group	II

water transportation

proper shipping name	liquid corrosive n.o.s.
hazard class or division	3(8)
identification number	UN2924
packing group	II

15. Regulatory information

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Canada regulatory information

CEPA DSL NDSL All components are listed on or are exempt from listing on the canadian domestic substance list.

United states regulatory information

16. Other information

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Text of R and S phrase codes used in this safety data sheet:- R34: Causes burns; R36: Irritating to eyes; R37: Irritating to respiratory system; R41: Risk of serious damage to eyes. The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents. The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties. The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer.

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