Material Safety Data Sheet

SULFAMIC acid GP GRADE (RXSOL-15-1304-025)

1. Product and Company Identifaction

Product Name	RXSOL-43-1304-125
HS CODE	34021300
Product Type	Sulfamic Acid GP grade

Company Details:

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

Branch : Kandla, Mumbai , Chennai, Vizag, Kolkata, UAE, OMAN, CANADA, KENYA

Phone	+91 22 20871200 - 1400
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Email	123@rxmarine.com/
Website	www.rxmarine.com

2. Composition / informationon ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
Sulfamic Acid	90.95%	5329-14-6	226-218-8	36/38, 52/53	x
Proprietory Mixture of Inhibitor	0.2 - 0.5%	------	-----	---	--

3. Hazards Identification

Odour	Odourless
Appearance	Crystaline off White, soluble in water
Contact with eyes	Causes severe irritation
Contact with skin	In cases of severe exposure, irritation may develop
Inhalation	Irritating to respiratory system (R37)
Ingestion	The ingestion of significant quantities may cause burning sensation

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R52/53

4. First Aid Measures

Contact with skin	Wash affected area with plenty of soap and water Contaminated clothing should be laundered before reuse Seek medical attention if irritation persists
Contact with eyes	If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes.Irrigate eyes thoroughly whilst lifting eyelids Obtain immediate medical attention
Ingestion	Do not induce vomiting Never give anything by mouth to an unconscious person Give water or milk to drink Obtain immediate medical attention.
Inhalation	Inhalation is unlikely to occur Remove patient to fresh air.
Revision	When in doubt or symptoms persist, seek medical attention.
General	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)

5. Fire-fighting Measures

- Non-combustible solid
- Smoke from fires is irritating
- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
- Prevent run off water from entering drains if possible

6. Accidental Release Measures

Personal Precautions	Wear protective clothing as per section 8.
Environmental Precautions	Do not allow to enter public sewers and watercourses.
Clean Up Actions	Sweep or shovel-up spillage and remove to a Wash spill site with water and detergent.
Special Precautions	Wear protective clothing as per section 8.

7. Handling and Storage

Handling	Wear protective clothing as per section 8 In use, may form flammable/explosive vapour-air mixture (R18) Ensure adequate ventilation Avoid contact with skin and eyes (S24/25) Eyewash bottles should be available.
Storage	Keep only in the original container in a cool, well ventilated place (S3/9/49) Keep in acid store.

8. Exposure controls and personal protection

Exposure Limits	There are no recommended or established controls for this product.
Exposure controls	No special precautions are required for this product.
Occupational exposure controls	Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended) Wear suitable dustmask e.g.to BS 2091.

General Advise	These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities. Avoid breathing dust.

9. Physical and chemical properties

Odour	Odourless
Appearance	Crystals, Soluble in water
pH	1 at 10 % Concentration
Boiling point	Not applicable
Vapour pressure	Not known
Melting point	205 °C at 760 mm /Hg
Water solubility	~ 200 g/l
Density	1200 kg/m3
Non-combustible solid	

10. Stability and reactivity

Reactivity	Strong Alkali , Bases.
Stability	The product is chemically stable under standard ambient conditions (room temperature).
Possibility of hazardous reactions	Risk of explosion with:, Risk of ignition or formation of inflammable gases or vapours with:,Exothermic reaction with:strong alkalis, bases, combustible substances, Iron, Zinc, hydrogen peroxide, peroxi compounds, Copper, silver compounds, Powdered metals
Conditions to avoid	Excessive heat Keep away from heat, flame, sparks and other ignition sources.
Incompatible materials	Acids, Alkali metals, Chlorine, chlorine trifluoride, metal hydrides, metal salts, phosphorus pentachloride, strong bases, Strong oxidizing agents, strong reducing agents
Hazardous Polymerization	Hazardous polymerization does not occur.

11. Toxicological information

Toxicological information	LD50 (oral,rat) 3160 mg/kg.
Inhalation	May cause severe irritation May cause shortness of breath.
Contact with skin	May cause irritation.
Contact with eyes	Causes severe irritation.
Ingestion	The ingestion of significant quantities may cause burning sensation.

Carcinogenicity	No evidence of carcinogenic effects.

12. Ecological information

Ecotoxicity	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R52/53).
Mobility	Completely soluble in water.
Persistence and Biodegradability	Most components in this product are not readily biodegradable.
Bioaccumulation Potential	Bioaccumulation of the components in this product is insignificant.
Other Adverse Effects	No environmental problems are expected when the product is used / handled correctly.In its intended use, the product will not be released into the environment.

13. Disposal considerations

Classification	EU Waste class: 06.01 This material and/or its container must be disposed of as hazardous waste.
Disposal considerations	Do not discharge into drains or the environment, dispose to an authorised waste collection point Disposal should be in accordance with local, state or national legislation.

14. Transport information

Proper Shipping Name

UN

Proper Shipping Name	Descalant Inhibited		
UN NO	Not Applicable		
Hazard Class	NA	Packing Group	III

Road/Rail (ADR/RID)

Proper Shipping Name	Descalant Inhibited		
ADR UN No	Not Applicable		
ADR Hazard Class	NA	Termcard	III

Sear (IMDG)

Proper Shipping Name	Descalant Inhibited		
IMDG UN No	Not Applicable		
IMDG Hazard Class	NA	IMDG Pack Group	III

IMDG EmS	F-A, S-B	IMDG subrisk	N/A
IMDG Labels	NA	IMDG Flashpoint	N/A

Air(ICAO/IATA)

Proper Shipping Name	Descalant Inhibited		
ICAO UnNo	Not Applicable		
ICAO HazardClass	NA	ICAO Packing Group	III
ICAO subrisk	N/A	ICAO Labels	NA
ICAO Flashpoint	N/A		

DOT/CFR (US Department of Transportation

DOTProper Shipping Name	Not Applicable		
Hazardous Material	Not Applicable		
Hazard Class	NA	Identification Number	NA
Product RQ (lbs)	NE	DOT subrisk	N/A
DOT Labels	NA	DOT Flashpoint	N/A

15. Regulatory information

Risk Phrases	Irritating to eyes and skin (R36/38) Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R52/53)
Safety Phrases	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26) After contact with skin, wash immediately with plenty of soap and water (S28) Wear suitable gloves and eye/face protection (S37/39) Avoid release to the environment. Refer to special instructions/Safety data sheets (S61)

16. Other information

Text of R and S phrase codes used in this safety data sheet:- R36/38: Irritating to eyes and skin; R52/53: Harmfulto aquatic organisms, may cause long-term adverse effects in the aquatic environment. 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 termsof safety requirements and does not signify any warranty with regard to the product's propertiesThe data given here only applies when product used for proper a pplication(s)The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this s heet. Do not use for other application(s) without seeking advice from manufacturer