# Material Safety Data Sheet

**Sulfamic Acid Inhibited** (RXSOL-43-1304-125)

## 1. Product and Company Identifaction

| | |
|---|---|
| Product Name | Sulfamic Acid Inhibited |
| HS CODE | 34021300 |
| Product Part Number | RXSOL-43-1304-125 |

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 |
| Fax | +91 22 2761 2100 :::AOH :0091 9821214367 |
| Email | 123@rxmarine.com/ |
| Website | www.rxmarine.com |


## 2. Composition / informationon ingredients

| Chemical Name | Concentration | CAS Number | EC Number | R Phrases* | Symbols |
|---|---|---|---|---|---|
| Sulfamic Acid Inhibited | 99.95% | 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

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| 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

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| 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

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|---|---|
| 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. |

| | |
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| 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

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|---|---|
| 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

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|---|---|
| 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

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|---|---|
| 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

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|---|---|
| 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

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|---|---|
| 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

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