# Material Safety Data Sheet

**Inhibited Acid Cleaner** (RXSOL-91-1048-025)

## 1. Product and Company Identifaction

| | |
|---|---|
| Product Name | Inhibited Acid Cleaner |
| Part Number | RXSOL-91-1048-025 |

Company Details:

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

Stock Point : Mumbai, Kandla, Chennai, Kolkata, Visakhapatnam, Fujairah, Muscat Barka, Canada

| | |
|---|---|
| Phone | +91 22 20871200 - 1400 |
| Fax | +91 22 27612100 :::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 |
|---|---|---|---|---|---|
| Ethanoic Acid (Acetic Acid) | 20-40 | 64-19-07 | 200-580-7 | 35, 10 | C |
| Co-Polymer and Mineral Acids | 35 - 40 | Proprietory | --- | -- | NA |
| Corrosion Inhibitor | 2-5 | NA | NA | NA | |

Oxalo compound 6-8% for extra cleaning of scale and rust prevntion
Citric Acid 5-7%
*See Section 16

## 3. Hazards Identification

| | |
|---|---|
| Odour | Strong pungent smell |
| Appearance | Liquid, pale yellow, soluble in water |
| Contact with eyes | Can cause damage to the eyes |
| Contact with skin | Prolonged skin or eye contact may cause chemical burns |
| Inhalation | Causes severe irritation, May cause breathing difficulty |
| Ingestion | Not regarded as a potential route of exposure.,Causes burning sensation |

## 4. First Aid Measures

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| Contact with skin | Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water When in doubt or symptoms persist, seek medical attention. Contaminated clothing should be laundered before reuse |
| 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 Seek. immediate medical attention. Continue flushing with water until medical help arrives. |
| Ingestion | Never make an unconscious person vomit or drink fluids Give plenty of water to drink Do not induce vomiting Seek immediate medical attention |
| Inhalation | Remove patient to fresh air Keep warm and at rest, in a half upright position. Loosen clothing. 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

| | |
|---|---|
| Extinguishing media Suitable extinguishing media | Recommended: alcohol-resistant foam, CO2, powders, water spray. |
| Unsuitable extinguishing media | Do not use water jet. |
| Hazards from the substance or mixture | Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. |
| Hazardous thermal decomposition products | Decomposition products may include the following materials:<br>carbon monoxide,<br>carbon dioxide, smoke, oxides of nitrogen. |
| Special protective &nbs | |

## 6. Accidental Release Measures

| | |
|---|---|
| Personal Precautions | Wear protective clothing as per section 8 Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback. |
| Environmental Precautions | Do not allow to enter public sewers and watercourses. |
| Immediate Actions | Use appropriate containment to avoid environmental contamination (S57). |
| Clean Up Actions | Absorb spillage in inert material and shovel up Ventilate the area and wash spill site after material pick-up is complete. |

| | |
|---|---|
| Special Precautions | Wear protective clothing as per section 8 Avoid release to the environment. Refer to special instructions/Safety data sheets (S61) Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback. |

## 7. Handling and Storage

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|---|---|
| Handling | Avoid contact with skin and eyes (S24/25).Do not breathe vapour/fumes (S23).Eyewash bottles should be available.Wear protective clothing as per section 8.Ensure adequate ventilation.In use, may form flammable/explosive vapour-air mixture (R18). |
| 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

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| Exposure Limits | TLV (TWA) 20 ppm, 122 mg/m3 (1,2-Dichlorobenzene). |
| Exposure controls | The undiluted product must not be used in a confined space without good ventilation. |
| Occupational exposure controls | Wear approved respirator if exposure likely to exceed MEL/OES Wear goggles giving complete eye protection Wear suitable protective clothing, including eye/face protection and gloves (neoprene or nitrile are recommended). |





## 9. Physical and chemical properties

| | |
|---|---|
| Odour | Characteristic smell |
| Appearance | Clear Liquid, soluble in water |
| PH | 1.5 at 100 % concentration |
| Boiling point | ~ 100 °C at 760 mm /Hg |
| Vapour pressure | 105.5 at 20 deg C |
| Vapour density (air = 1) | 1.26 |
| Freezing point~ | 30 °C at 760 mm/Hg |
| Completely soluble in water | |

| | |
|---|---|
| Specific gravity (water=1) | 1.16 |

Non combustible

## 10. Stability and reactivity

- This article is considered stable under normal conditions, May cause rubber to swell
- Avoid overheating
- Incompatible with strong oxidizing substances, Contact with alkaline earth metals may form explosive gases, Contact with alkali metals may form explosive gases
- See Section 5

## 11. Toxicological information

| | |
|---|---|
| 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

| | |
|---|---|
| Ecotoxicity | This product does not contain ingredients which are classified in the EU as dangerous for theenvironment. |
| Mobility | Completely soluble in water . |
| Persistence and Biodegradability | Its main ingredients will either dissolve rapidly and dissociate in water or are readily/inherently 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. |

## 13. Disposal considerations

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

## 14. Transport information

Proper Shipping Name:

UN

| | | | |
|---|---|---|---|
| Proper Shipping Name: | Solution of Phosphoric ang Hydrozen Chlorde | | |
| UN NO. | 1789 | | |
| Hazard Class | 8 | PackingGroup | II |

Road/Rail(ADR/RID)

| | | | |
|---|---|---|---|
| Proper Shipping Name | Solution of Phosphoric ang Hydrozen Chloride | | |
| ADR UN No. | 1789 | | |
| ADRHazardClass | 8 | Tremcard | 80GC1789-II |

Sear (IMDG)

| | | | |
|---|---|---|---|
| Proper Shipping Name | Solution of Phosphoric ang Hydrozen Chloride | | |
| IMDG UN No. | 1789 | | |
| IMDG Hazard Class | 8 | IMDG PackGroup.: | II |
| IMDG EmS | F-A, S-B | IMDG subrisk | N/A |
| IMDG Labels | 8 | IMDG Flashpoint: | N/A |

Air(ICAO/IATA)

| | | | |
|---|---|---|---|
| ProperShippingName | Solution of Phosphoric ang Hydrozen Chloride | | |
| IMDG UNNo | 1789 | | |
| IMDG HazardClass | 8 | ICAO PackingGroup | II |
| ICAO subrisk | N/A | ICAO Labels: | 8+CAO |
| ICAO Flashpoint | N/A | | |

DOT/ CFR(USDepartment ofTransportation

| | | | |
|---|---|---|---|
| DOTProperShippingName | Solution of Phosphoric ang Hydrozen Chloride | | |
| HazardousMaterial | Solution of Phosphoric ang Hydrozen Chloride | | |
| HazardClass | 8 | IdentificationNumber: | UN1789 |
| Product RQ (lbs) | N/E | DOTsubrisk: | N/A |
| DOTLabels | 8 | DOTFlashpoint: | N/A |

- Not classified as hazardous for transport

## 15. Regulatory information

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| Risk Phrases | Irritating to eyes (R36) |

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| Safety Phrases Irritant | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)Wear suitable gloves and eye/face protection (S37/39) |

## 16. Other information

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 appli-cation(s) without seeking advice from manufacturer.