# Material Safety Data Sheet

**Corrosion Inhibitor Closed Open Cooling Water System** (RXSOL-40-4028-025)

## 1. Product and Company Identifaction

| | |
|---|---|
| Product Name | RXSOL-40-4028-025 |
| Product Type | Corroision Inhibitor for closed Open cooling system |

Company Details:

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

Stock Point : Mumbai, Kandla, Chennai, Kolkata, Vizag, Fujairah, Muscat

| | |
|---|---|
| Phone | +91 22 65113333 / 5555 / 9999 / 27611360 |
| Fax | +91 22 2781 1318 ::: AOH: 0091 9821214367 |
| Email | mail@rxmarine.com |

## 2. Composition / informationon ingredients

| Product contains: | CAS No | Contents | Health (class) | Risk(R) |
|---|---|---|---|---|
| Sodium Hydroxide | 1310-73-2 | 5-6% | C | R35 |
| Triazole | 95-14-7 | 18-21% | Xn, N | 20-22, 36, 53 |
| Proprietory Polymer Blend | ----- | 79-81% | ----- | ---- |

## 3. Hazards Identification

Symbol(s) C
Risk Phrase(s R35, 53
This product is toxic if swallowed. Product can be irritating to eyes and skin.
Toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

## 4. First Aid Measures

| | |
|---|---|
| General Instructions | In all cases of doubt, or when symptoms persist, seek more advice. Remove from exposure, rest and keep warm. Seek medical attention, treat symptomatically. |
| Skin Contact | Clean affected area with plenty of water, remove contaminated clothing immediately. Seek medical attention. |
| Eye Contact: | Irrigate the eyes thoroughly with water for at least 15 minutes, holding the eyelids apart if necessary. Obtain medical attention. |
| Ingestion | Wash out mouth with water and give plenty of water to drink. DO NOT induce vomiting. Obtain medical attention. |

## 5. Fire-fighting Measures

| | |
|---|---|
| Extinguishing Media | Carbon dioxide, dry chemical or foam. Water spray must be ineffective |
| Unsuitable Extinguishing Media | None. |
| Exposure Hazards | n/a |
| Hazardous Combustion Products | May give off toxic fumes |
| Special equipment for fire fighting | Wear self-contained breathing apparatus |

## 6. Accidental Release Measures

| | |
|---|---|
| Personal precautions | Wear appropriate protective clothing (see section 8). Also apply good industrial hygiene |
| Environmental Precautions | Observe all relevant national regulations |
| Clean up Procedure | Flush spillages with large quantities of water and wash to waste |

## 7. Handling and Storage

| | |
|---|---|
| Handling | Avoid contact with eyes and skin |
| STORAGE | In a well ventilated area away from incompatible materials |

## 8. Exposure controls and personal protection

| | |
|---|---|
| Exposure Limit (8hrs) | For sodium hydroxide 2mg/m |
| Type | N/A |
| Protective Measures | |
| Respiratory: | In the event where significant exposure is possible wear self contained breathing apparatus |
| Hand: | Wear suitable impervious gloves |
| Eye: | Wear chemical goggles |
| Skin: | Wear suitable overalls |

## 9. Physical and chemical properties

| | |
|---|---|
| Appearance | Clear to Pale amber liquid |
| Odour | Characteristic azole odour |
| pH | 11 |
| Boiling Point / Boiling Range | Not determined |
| Melting Point/Melting Range | N/A |
| Flash Point | none |
| Flammability | Non flammable |

| | |
|---|---|
| Autoflammability | N/A |
| Explosive Properties | N/A |
| Oxidising Properties | N/A |
| Vapour Pressure | N/A |
| Relative Density | 1.195 |
| Solubility in water | Miscible |
| Solubility in other solvents | Not known |
| Partition coefficient and N-octanol/water | ---------- |
| Other Data | None |

## 10. Stability and reactivity

| | |
|---|---|
| Stability | Stable |
| Conditions to Avoid | None |
| Materials to avoid | Avoid all strong acids |
| Hazardous reactions | See Section 5 |

## 11. Toxicological information

Irritating to the eyes and skin, inhalation may effect the respiratory tract.
Acute oral LD50 > 1000mg/kg

## 12. Ecological information

| | |
|---|---|
| Environmental Effects | May cause adverse effect in the aquatic environment |
| Mobility | n/a |
| Degradability | n/a |
| Bioaccumulative Potential | n/a |
| Marine Pollutant | No evidence |

## 13. Disposal considerations

| | |
|---|---|
| Product : | In accordance with national waste regulations |
| Container | Wash empty container thoroughly with water before disposal |

## 14. Transport information

LAND TRANSPORT

| | |
|---|---|
| Item Number | 8.41 (b) |
| UN Class | 8 |
| ADR Class | 8 |
| UN Number | 3266 |
| Packaging Group | III |
| Proper Shipping Name (PSN) | Corrosive liquid, basic, inorganic NOS (contains Sodium Hydroxide UN No 3266) |

| | |
|---|---|
| SEA TRANSPORT | |
| UN Number | 3266 |
| Class | Not restricted |
| Packing Group | III |
| Marine Pollutant | no |
| EMS | 8.15 |
| MFAG | 760 |
| IMDG Code | 8147 |
| PSN | Same as above |

## 15. Regulatory information

Chemic al identity: Aqueous solution of organic heterocyclic compounds
Labelling according to the chemical (Hazard Information and Packaging) Regulations 2002 CHIP 3

| | |
|---|---|
| EEC Number | N/A |
| Symbol(s) | C- Corrosive |
| RiskPhrase(s) | |
| R35 | Causes severe burns |
| R53 | May cause adverse effect in the aquatic environment |
| Safety Phrase(s) | |
| S26 | In case of contact with eyes rinse immediately with plenty of water and seek medical advice |
| S37/39 | Wear suitable gloves and eye/face protection |

## 16. Other information

Product contains Sodium hydroxide, Triazole C - Corrosive, Xn -Harmful, N - Dangerous for the environment

| | |
|---|---|
| R20 | Harmful by Inhalation |
| R22 | Harmful if swallowed |
| R35 | Causes severe burns |
| R36 | Irritating to eyes |
| R53 | May cause adverse effects in the aquatic environment |

Further details might be available upon request

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