

1. Product and Company Identification

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Product Name : Fuel Corrosion Inhibitor N.213
Part Number : RXSOL-70-7023-025

Company Details:

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

Branch : Kandla, Sikka, Dahej, Hazira, JNPT, Goa, Mangalore, Cochin, Tuticorin, Chennai, Kakinada, Vizag, Paradip, Kolkata, UAE, Singapore.

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2. Composition / Information on ingredients

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Name of Substance	Cas Number
Methanol	67-56-1
Tall Oil, DETA Imidazoline Acetates	68140-11-4
Benzyl-Dimethyl-Dodecyl-Ammonium Chloride	139-07-1
Thioglycolic Acid	68-11-1
Benzyl-Dimethyl-Tetradecyl-Ammonium Chloride	139-08-2

3. Hazards Identification

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prevention

Prevention:

Keep away from heat/sparks/open flames/hot surfaces.

smoking. Keep container tightly closed. Ground/bond c

Response

receiving equipment. Use explosion-proof electrical/ ve
lighting/ equipment. Use only non-sparking tools. Take
precautionary measures against static discharge. Do not
dust/fume/gas/mist/vapours/spray. Wash skin thorough
handling. Do not eat, drink or smoke when using this pr
only outdoors or in a well-ventilated area. Contaminated
clothing should not be allowed out of the workplace. W
protective gloves/ protective clothing/ eye protection/ fa
protection.
IF SWALLOWED: Immediately call a POISON CENT
doctor/physician. IF SWALLOWED: rinse mouth. Do not
vomiting. IF ON SKIN (or hair): Remove/ Take off im
contaminated clothing. Rinse skin with water/ shower. I
Remove victim to fresh air and keep at rest in a positio
comfortable for breathing. IF IN EYES: Rinse cautious
for several minutes. Remove contact lenses, if present a
do. Continue rinsing. IF exposed: Call a POISON CENT
doctor/ physician. Immediately call a POISON CENTE
physician. If skin irritation or rash occurs: Get medical
attention. Wash contaminated clothing before reuse. In
Use dry sand, dry chemical or alcohol-resistant foam fo

Storage:

Store in a well-ventilated place. Keep container tightly
cool. Store locked up.

Disposal:

Dispose of contents/ container to an approved waste dis

Other hazards

None known.

4. First Aid Measures

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Eye Contact

Rinse immediately with plenty of water, also under t
lenses, if present and easy to do. Continue rinsing. Ge

Skin Contact

Wash off immediately with plenty of water for at le
clothing before reuse. Thoroughly clean shoes before

Inhalation:

If inhaled, remove to fresh air. If not breathing, give
oxygen. Call a physician.

If swallowed

Rinse mouth with water. Do NOT induce vomiting.
person. Get medical attention immediately

If inhaled

Protection of first-aiders

Notes to Physicians

Most important symptoms and effects, both acute and delayed

Remove to fresh air. Treat symptomatically. Get medical attention.

In event of emergency assess the danger before taking action. In doubt, contact emergency responders. Use personal protective equipment.

Treat symptomatically.

See Section 11 for more detailed information on health and safety.

5. Fire-fighting Measures

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Suitable extinguishing media

Unsuitable extinguishing

Protective Equipment

Specific hazards during firefighting

Use extinguishing measures that are appropriate to local conditions and environment.

None known.

Use personal protective equipment.

Fire Hazard

Keep away from heat and sources of ignition.

Flash back possible over considerable distance.

Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Empty product containers may contain product residue. Do not reuse.

Do not pressurize, cut, heat, weld, or expose containers to flame or other sources of ignition.

Decomposition products may include the following materials: Nitrous gases (NOx), Sulphur oxides, Ammonia (NH₃), and Acrylonitrile.

Use personal protective equipment.

Use water spray to cool unopened containers. Fire residue must be disposed of in accordance with local regulations. Do not breathe fumes.

Hazardous combustion products

Special protective equipment for firefighters

Specific extinguishing methods

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Remove all sources of ignition.

Evacuate people away from and upwind of spill/leak. Avoid inhalation.

Prevent ingestion and contact with skin and eyes. When working in high concentrations above the exposure limit they must use certified respirators.

Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in Section 8.

Do not allow contact with soil, surface or ground water.

Eliminate all ignition sources if safe to do so. Stop leakage if possible.

8.

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Eliminate all ignition sources if safe to do so. Stop leakage if possible.

so. Contain spillage, and then collect with non-combustible materials.

Environmental Precaution

Methods and materials for containment and cleaning up

absorbent material, (e.g. sand, earth, diatomaceous earth), for disposal according to local /

national regulations (see section 13). For large spills, contain

material or otherwise contain material to ensure runoff

reach a waterway. Flush away traces with water.

7. Handling and Storage

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Advice on safe handling

Open drum carefully as content may be under pressure. Take necessary action to avoid static electricity discharge (e.g. discharge cause ignition of organic vapours). Do not ingest. Keep away from fire, sparks and heated surfaces. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes or on clothing. Wash hands thoroughly after handling. Use only with adequate ventilation.

Storage

Keep away from heat and sources of ignition. Keep away from oxidizing agents. Keep out of reach of children. Keep container tightly closed. Store in labeled containers. Connections must be grounded to avoid electrical charges. Avoid direct sunlight. At temperatures above 30°C a component of this product may degrade resulting in the production of hydrogen sulfide (H₂S).

Suitable material

The following compatibility data is suggested based on product data and/or industry experience: Stainless Steel, Stainless Steel 316L, Nitrile, EPDM, Perfluoroelastomer, TFE, FEP (encapsulated), Compatibility with Plastics may vary; we therefore recommend that compatibility is tested before use.

Unsuitable material

The following compatibility data is suggested based on product data and/or industry experience: Neoprene, Polyurethane, C1018, Fluoroelastomer

8. Exposure controls and personal protection

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Engineering Control
Personal Protection

Effective exhaust ventilation system. Maintain air co
Eye protection : Safety goggles
Face-shield
Hand protection : Wear the following personal prote
Standard glove type.
Gloves should be discarded and replaced if there is
degradation or chemical breakthrough.
Skin protection : Personal protective equipment con
gloves, safety goggles and protective clothing
Respiratory protection : When workers are facing co
they must use appropriate certified respirators.
Hygiene measures : Handle in accordance with good
practice. Remove and wash contaminated clothing b
Wash face, hands and any exposed skin thoroughly
Provide suitable facilities for quick drenching or flu
and body in case of contact or splash hazard.

Components with workplace control parameters

Components	CAS-No	Form of exposure	Permissible concentration	Basis
Methanol	67-56-1	TWA	200 ppm	ACC
		STEL		ACC
		TWA	200 ppm	NIO
		STEL		NIO
Thioglycolic Acid	68-11-1	TWA	200 ppm	OSH
		TWA	1 ppm	ACC
		TWA	1 ppm	NIO
			4 mg/m ³	

9. Physical and chemical properties

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Form	Liquid
Colour	Colourless to slightly Yellow
Odour	Acrid, slight odour of Sulphur dioxide
Boiling point and boiling range	No Data Available

Flash Point	>100°C
Freezing Point	No Data Available
pH	6
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper explosion limit	No data available
Lower explosion limit	No data available
Explosive properties	No data available
Vapor pressure	No data available
Relative vapor density	No data available
Relative density	1.05-1.11 g/cm ³ (25°C)
Water solubility	Soluble
Solubility in other solvents	No data available
Partition coefficient: octanol	No data available
Autoignition temperature	No data available
Thermal decomposition	No data available
Viscosity, kinematic	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Molecular weight	No data available
VOC	No data available

10. Stability and reactivity

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Reactivity	None
Stability	Stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Incompatible materials	Avoid to contact with strong acids Avoid to contact with oxidizing agents. Store away from aldehydes.
Hazardous Decomposition	Decomposition products may include the following materials: Sulphurous oxides (SO _x) Nitrous oxides (NO _x) Ammonia Amines
Condition to Avoid	None Known
Polymerization	Will not occur.

11. Toxicological information

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Route of Exposure	Inhalation, Eye contact, Skin contact
Eyes	Causes serious eye damage.
Skin	Causes severe skin burns.
Ingestion	Causes digestive tract burns

Inhalation	Inhalation of vapours leads to irritation of respiratory tract and mucous membranes, headache, nausea, dizziness Sensitisation possible through inhalation
Chronic Exposure	Health injuries are not known or expected under normal use.
Acute oral toxicity	LD50 200-2,000mg/kg
Acute inhalation toxicity	No data available
Acute dermal toxicity	No data available
Classification	The classification was made by the conventional (calculation) method of Dangerous Preparations Directive(1999/45/EC)

12. Ecological information

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Environmental Effects	No data available
Toxicity to fish	No data available
Toxicity to daphnia and others	No data available
Toxicity to algae	No data available
Biodegradability	> 60% (28 d)
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available

13. Disposal considerations

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Remarks	Please consider the relevant national or regional provisions that can be handled separately by the local or national authorities.
Waste Disposal	The product should not be allowed to enter drains, sewers or water courses. Recycling is preferred to disposal or incineration. If recycling is not possible, dispose of wastes in an approved waste disposal facility in accordance with local, national and international regulations. Dispose of wastes in an approved waste disposal facility.

14. Transport information

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Hazard Pictograms:

UN Number	UN3265
Proper shipping name	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (2)
Transport hazard class(es)	8
ADR/RID	8
Subsidiary risk IMDG	8
Subsidiary risk IATA	8
Packing group	
Packing group	III
Environmental hazards	
Environmental hazards	No
Marine pollutant	No
ADR/RID	

