

1. Product and Company Identification

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Product Name : Cold Flow Improver and Pour Point Dispersant
Part Number : RXSOL-70- 7014-025

Company Details:

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

Phone : +91 22 65113333 / 5555 / 9999
Fax : +91 22 2781 1318 ::AOH :0091 9821214367
Email : 123@rxmarine.com
Website : www.rxmarine.com

2. Composition / Information on ingredients

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Name of Substance	Cas Number
Solvent Naphtha Petroleum, Heavy Aromatic	6472-94-5
1,2,4-trimethyl benzene	95-63-6
2-ethylhexanoic acid	149-57-5
Naphthalene	91-20-3

3. Hazards Identification

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Signal Word	Danger
Hazard Statements	Eye contact : may cause eye irritation with discomfort, tearing or blurring of vision. Skin Contact : may cause irritation. Inhalation : Inhalation or ingestion may cause nonspecific discomfort, such as nausea, headache, or weakness; or temporary system depression with anesthetic effects such as dizziness, headache, confusion, incoordination, and loss of consciousness. General : In general, overexposure to high atmospheric concentrations of alkyl-substituted aromatics may produce system depression, headache, dizziness, incoordination, nausea and loss of appetite. Aspiration (liquid enters the lung), damage due to chemical pneumonia, a condition caused by petroleum-like solvents.
Precautionary statements - prevention	Keep away from heat/sparks/open flames/hot surfaces - No smoking Keep/store away from clothing/combustible materials. Keep only in original container. P260 Do not breathe dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statements - response	IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN : remove immediately all contaminated clothing. Rinse skin with soap water/shower. IF INHALED: remove person to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: rinse water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of fire: use sand, carbon dioxide or powder extinguisher for extinction. Absorb spillage to prevent material damage.

4. First Aid Measures

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Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Water may be used. Get medical attention.
Skin Contact	Flush skin with water after contact. Wash contaminated clothing before reuse.
Inhalation:	If inhaled, If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Ingestion:	If swallowed, do not induce vomiting. Allow victim to rinse his mouth and then to drink 2-4 cupfuls of water. Never give anything by mouth to an unconscious person. Call a physician.
Notes to Physicians	Activated charcoal mixture may be administered. To prepare activated charcoal mixture, suspend 50 grams activated charcoal in 400-ml water and mix thoroughly. Administer 5 ml/kg or 350 ml for an average adult. Because of the danger of aspiration, gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances. Activated charcoal may induce vomiting, but may be given after emesis or lavage to absorb toxic additives. Steroid therapy in mild to moderate cases may improve outcome. Bacterial pneumonia often occurs after exposure, but prophylactic antibiotics are not indicated. Antibiotics are reserved for documented bacterial pneumonia.

5. Fire-fighting Measures

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Flammability	Flammable.
Flash Point	60°C
Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water Spray, Foam, Dry Chemical, CO ₂ .
Protective Equipment	Use personal protective equipment.
Advice for firefighters	Wear self-contained breathing apparatus. Wear full protective equipment.

6. Accidental Release Measures

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Small Spillage	Soak up with sawdust, sand, oil dry or other absorbent material.
Personal Protection	Remove persons to safety. Wear breathing apparatus if exposed to vapours/dust/spray/gases.
Environmental Precaution	Keep away from drains, surface and ground water. Retain contaminated washing water and dispose it.
Methods and materials for containment and cleaning	Before proceeding with clean up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up. Soak up with sand, oil dry or other absorbent material. Remove source of heat, sparks, flame, impact, friction, or electricity. Dike off spilled material from entering sewers, waterways, or low areas. Spills are very slippery and should be cleaned up promptly.

7. Handling and Storage

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Handling	Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling. Keep away from sparks and flames.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store in accordance with National Fire Protection Association recommendations.
Advice on general occupational hygiene	Wash hands after use. Do not to eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas.

8. Exposure controls and personal protection

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Engineering Controls:	Use only with adequate ventilation. Keep container tightly closed.
Personal Protection	<p>Eye/Face Protection : Wear coverall chemical splash goggles or safety glasses.</p> <p>Respirators : Where there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respirator. Protective Clothing Where there is potential for skin contact have available and wear as appropriate Impervious apron, pants, hood and jacket.</p>
Exposure Limits:	<p>Heavy Aromatic Naphtha:</p> <p>PEL (OSHA)None established</p> <p>TLV (ACGIH)None established</p> <p>AEL* (Innospec Fuel Specialties)50 ppm, 300 mg/m3, 8 hr, TWA</p> <p>Naphthalene:</p> <p>PEL (OSHA).....10 ppm, 50 mg/m3, 8 hr. TWA</p> <p>TLV (ACGIH).....10 ppm, 52 mg/m3, 8 hr TWA, Skin; A4</p> <p>STEL 15 ppm, 79 mg/m3, A4</p> <p>AEL* (Innospec Fuel Specialties)None established</p> <p>1,2,4-trimethyl benzene :</p> <p>PEL (OSHA)140 mg/m3, 8 hr. TWA</p> <p>TLV (ACGIH)None established</p> <p>AEL* (Innospec Fuel Specialties)20 ppm, 8 hr, TWA</p> <p>2-ethylhexanoic acid</p> <p>PEL (OSHA)25 ppm, skin</p> <p>TLV (ACGIH)20 ppm, 8 hr TWA, A3</p> <p>AEL* (Innospec Fuel Specialties)None established</p>
Other Protection Measure	Theskin notation following the exposure guideline refers to the potential for dermal absorption of the material. It is intended to alert the reader that inhalation may not be the only route of exposure and thatmeasures to m exposure should be considered.



Gloves Suit

9. Physical and chemical properties

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Form	Liquid
Colour	Clear, dark, brown
Odour	Not Available
Boiling point and boiling range	168°C-195°C
Freezing Point	Not Available
Specific Gravity (20 °C)	0.900 @ 60/60°F (15.6/15.6°C)
pH	Not Applicable
Density	7.49 @ 60°F (15.6°C)
Solubility in Water	Soluble
Viscosity	(cSt) 3.82
Explosive properties	Not Available
Vapour density	Not Available

10. Stability and reactivity

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Recativity	None
Stability	Stable at normal temperatures and storage conditions.
Possibility of hazardous reactions	No known hazardous reactions.
Incompatible materials	None reasonably foreseeable.

Hazardous combustion products	Decomposes with heat. Hazardous decomposition products include oxides of carbon and nitrogen.
Polymerization	Will not occur.

11. Toxicological information

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Heavy Aromatic Naphtha:	Inhalation 6 hour LC50..... >11.67 mg/L in rats Skin Absorption LD50 >3,160 mg/kg in rabbits Oral LD50..... >5,000 mg/kg in rats.
Naphthalene:	Inhalation 15 minute LC50:>0.34 mg/L in rats Skin Absorption LD50: 10,000 mg/kg in rabbits Oral LD50:..... 1,780 mg/kg in rats
1,2,4-trimethyl benzene	Inhalation 4 hour LC50.....6,700 ppm in rats Skin absorption LD50.....4,320 mg/kg in rabbits Oral ALD 4,500 mg/kg in rats
2-ethylhexanoic acid :	Inhalation 4 hour LC50.....4,000 ppm in rats Skin Absorption LD50 2,335 mg/kg in rabbits Oral LD50..... 2,920 mg/kg in rats
Other information	Heavy Aromatic Naphtha is a severe skin irritant, and is an eye irritant, but is not a skin sensitizer in animals. Repeated exposures caused reduced growth rate, respiratory tract irritation, congestion in liver and spleen, changes in blood tests and other disturbances. No animal test reports are available to define carcinogenic, mutagenic, developmental or reproductive hazards. Chronic overexposure to 2-ethylhexanoic acid has been suggested as a cause of the following effects in laboratory animals: aggravate pre-existing disorders of these organs in humans: liver, abnormalities, kidney damage, lung damage, cardiac abnormalities, blood abnormalities and spleen damage. This component has produced liver and kidney effects in laboratory animals. It has produced developmental effects in oral studies in laboratory animals including teratogenicity at maternally

12. Ecological information

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Toxicity	Naphthalene : 96 hour LC50 fathead minnow: 27-42 mg/L Naphtha : 96 hour LC50, fathead minnows: 4.2 to 20.8 mg/L
Process of degradability	Causes severe skin irritation and eye damage.
Bioaccumulative potential	Causes serious eye damage.
Mobility in soil	Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

13. Disposal considerations

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Remarks	Please consider the relevant national or regional provisions and disposal categories that can be handled separately by the local or national authorities.
Waste Disposal	Waste should be disposed of in accordance with local rules and regulations.

14. Transport information

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UN Number	NA
Proper shipping name	Combustible Liquid
Special Information	Flash Point: 60.1°C
DOT Labs	Combustible Liquid
Packing group	III
Marine Pollutant	No

International Maritime Dangerous Goods Code (IMDG) : Not Regulated

15. Regulatory information

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TSCA Inventory Status	Reported / Included
Title III Hazard Classifications	Acute Yes
Sections 311, 312	Chronic Yes
	Fire Yes
	Reactivity No
	Pressure No
Chemical Safety Assessment	No Chemical Safety Assessment has been carried out for this substance.

16. Other information

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Other Information

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