Material Safety Data Sheet

Cold Flow Improver Middle Distillates Diesel (RXSOL-70-7017-025)

1. Product and Company Identifaction

Product Name	:	**RXSOL 70-7017-025**
Product Type	:	Cold Flow Improver Middle Distillates Diesel **FUEL TREATMENT**
Revised Date	:	5th Jan'23

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / informationon ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
Naphtha(Petroleum) ,Hydrosulfurizedheavy	30-40	64742-82-1	265-185-4	65, 66	Xn
Xylenes (o-, m-, p- isomers)	0.1 - 1	1330-20-7			
Distillates, petroleum, hydrotreated light naphthenic	30 - 40	64742-53-6			
Iron Carboxylate	1-5	61788-81-6	N/A	65	Xn
Stoddard solvent	10-20	8052-41-3			
Fuel Diesel	5-10	68334-30-5	269-822-7	40	Xn
Solvent naphtha, petroleum, heavy aromatic	0.1 - 1	64742-94-5			
Petroleum distillates, hydrotreated light	10-20	64742-47-8			
Benzene, 1,2,4-trimethyl	1-5	95-63-6			
N-Oleyl-1,3diaminopropane	0-1	7173-62-8	230-528-9	22 34 50	C,N
Solvent naphtha, petroleum, light aromatic	1-5	64742-95-6			
Ethylbenzene	0.1-1	100-41-4			
Aminoethylpiperazine	0.05	140-31-8	205-411-0	21/22, 34,43, 52/53	C
Nonane	0.5-1.5	111-84-2			

Naphthalene	0.1-1	91-20-3

3. Hazards Identification

Odour	Smells of hydrocarbon.
Appearance	Liquid, dark, brown, insoluble in water.
Contact with eyes	Causes redness and irritation.
Contact with skin	Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis.
Inhalation	In cases of severe exposure, anaesthesia may develop, May cause chronic pneumonitis, May cause coughing.
Ingestion	Harmful: may cause lung damage if swallowed (R65).Limited evidence of carcinogenic effect (R40).

4. First Aid Measures

Contact with skin	Remove contaminated clothing immediately and drench affected skin with plenty of 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 eyel.When in doubt or symptoms persist, seek medical attention
Ingestion	Do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention.If vomiting occurs turn patient on side.Obtain immediate medical attention
Inhalation	Remove patient to fresh air.Seek medical attention if ill effects occur
General	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45).

5. Fire-fighting Measures

- Auto-ignition point 250 deg C at 760 mm Hg
- Flash point >62 deg C (CC)
- Carbon oxides may be formed
- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide (S43)
- Do not use water jets
- Prevent run off water from entering drains if possible
- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback

6. Accidental Release Measures

Personal Precautions	Wear protective clothing as per section 8.
Environmental Precautions	Do not allow to enter public sewers and watercourses.

Immediate Actions	Contain spillage by any means possible
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	Do not allow to enter public sewers and watercourses.Wear protective clothing as per section 8.

7. Handling and Storage

Handling	Avoid contact with skin and eyes (S24/25).Eyewash bottles should be available.Wear protective clothing as per section
Storage	Keep only in the original container in a cool, well ventilated place (S3/9/49).Keep container tightly closed (S7).Keep away from open flames, hot surfaces and sources of ignition.

8. Exposure controls and personal protection

Exposure Limits	TLV (TWA) 275 mg/m3 (Naphtha, low boiling, hydrogen treated)
Exposure controls	No special ventilation is required unless the product is used in a spray form
Occupational exposure controls	No respiratory protection is required unless subject to contact with substance mist.During fumigation/spraying wear suitable respiratory equipment (S42).Wear suitable protective clothing, including eye/face protection and gloves (neoprene or nitrile are recommended)

9. Physical and chemical properties

Odour	Smells of hydrocarbon
Appearance	Liquid, dark, brown, insoluble in water
pH	Not applicable
Boiling point	170 °C to 210 °C at 760 mm /Hg
Vapour pressure	Not known
Vapour density	(air = 1) >1
Freezing point	unknown
Insoluble in water	
Specific gravity (water=1)	0.835
Flash point &gt	62 deg C (CC)

Auto-ignition point	250 deg C at 760 mm Hg
Lower explosive limit	0.5 % (in air)
Upper explosive limit	7 % (in air)

10. Stability and reactivity

- This article is considered stable under normal conditions
- Keep away from naked flames, incandescent or hot surfaces
- See Section 5

11. Toxicological information

Toxicological information	No experimental data available.
Inhalation	Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
Contact with skin	Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis.Contains Aminoethylpiperazine. May produce an allergic reaction.
Contact with eyes	Causes irritation.
Ingestion	Aspiration hazard , Harmful: may cause lung damage if swallowed (R65).
Carcinogenicity	Limited evidence of carcinogenic effect (R40).

12. Ecological information

Ecotoxicity	May cause acute effects in the aquatic environment.This product contains components which are classified in the EU as dangerous for the environment.
Mobility	Insoluble in water
Persistence and Biodegradability	The components in this product are readily biodegradable.
Bioaccumulation Potential	Hydrocarbon solvents have the potential to bioaccumilate.
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

Classification	EU Waste class: 07.01.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

Not classified as hazardous for transport.

15. Regulatory information

Classification and labelling	Contains Aminoethylpiperazine. May produce an allergic reaction.
Risk Phrases	Limited evidence of carcinogenic effect (R40).Harmful: may cause lung damage if swallowed (R65).Repeated exposure may cause skin dryness or cracking (R66).Contains Dimethylpiperazine. May produce an allergic reaction.
Safety Phrases	Wear suitable protective clothing, eye/face protection and gloves (S36/37/39).In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45).If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label (S62).

16. Other information

Text of R and S phrase codes used in this safety data sheet:- R21/22: Harmful in contact with skin and if swallowed; R22: Harmful if swallowed; R34: Causes burns; R40: Limited evidence of carcinogenic effect; R43:May cause sensitisation by skin contact; R50: Very toxic to aquatic organisms; R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment; R65: Harmful: may cause lung damage if swallowed; R66: Repeated exposure may cause skin dryness or cracking.The information provided about the product on this Safety Data Sheet has been compiled from knowledge ofthe 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 application(s) without seeking advice from manufacturer.

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