Material Safety Data Sheet

Hydrogen Sulfide Scavenger Biocide (RXSOL-44-5014-100)

1. Product and Company Identifaction

Product Name	RXSOL-44-5014-100
Product Type	Hydrogen Sulfide Scavenger Triazine Based

Company Details:

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

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

Phone	+91 22 27815540 / 41 / 42
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	mail@rxmarine.com.

HS Code : 3811900

2. Composition / informationon ingredients

Chemical Name	CAS-No	Weight %
Hexahydro - 1, 3, 5 - tris (2 - hydroxyethyl)-S-triazine Molecular Formula C6H15N3 Molecular Weight 129.2 g/mol	4719-04-4	30 - 40
MEA, Mono Ethanol Amine	141-43-5	20 - 30
Methyl Alcohol	67-56-1	5 - 10
N-MITHYLDIETHANOLAMINE MDEA-2-2-METHYLDIETHANOL N-METHYLDIETHANOL , N,N BIS 2 -HYDROXYETHYL METHYLAMINE	Blending Mixture	10-20
Other Ingredient Proprietory, not classified as dangerous	NA	10 - 40

3. Hazards Identification

Odor	Specific
Appearance	Liquid, Clear , Slightly Hazy, Colorless , Slight pale yellow
Contact with eyes	Irritating to eyes
Contact with skin	May cause irritation. May cause sensitization by skin contact.
Inhalation	High airborne concentrations of mist or spray may cause irritation or damage to the upper respiratory tract.
Ingestion	Harmful if swallowed
Aggravated Medical Conditions	Skin disorders. Preexisting eye disorders. Respiratory disorders
Environmental Hazard	NA.

4. First Aid Measures

General Advice	Get medical attention immediately if symptoms occur.
Eye Contact	Rinse immediately with plenty Amount of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Seek immediate medical attention.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek immediate medical attention.
Ingestion	Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Rinse mouth. Get medical attention.
Notes to Physician	Treat symptomatically.

5. Fire-fighting Measures

Flammable Properties	Not flammable
Flash Point	>93.3 oC / >200 oF
Suitable Extinguishing Media	Water spray. Foam. Dry powder. Carbon dioxide (CO2).
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.
Hazardous Combustion Products	Carbon oxides, Nitrogen oxides (NOx), Phosphorus oxides
Explosion Data	
Sensitivity to Mechanical Impact	Not sensitive
Sensitivity to Static Discharge	Not sensitive

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

Personal Precautions	Use personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.
Methods for Containment	Dike far ahead of liquid spill for later disposal. Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. Handling and Storage

Handling	Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.
Storage	Keep containers tightly closed in a cool, well-ventilated place. Storage temp : - 5-40oC

8. Exposure controls and personal protection

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies

Engineering Measures: Ensure adequate ventilation, especially in confined areas.

Eye/Face Protection: Safety glasses with side-shields. If splashes are likely to occur, wear:. Goggles. Faceshield.

Skin and Body Protection: Wear protective gloves/clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures: Remove and wash contaminated clothing before re-use. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Odor	Specific Amine
Appearance	Liquid,Clear to Slightly Hazy Colorless
pH , Always be more then 7	9 - 12
Boiling Point	No Data
Health Hazard Vapor Pressure	NA
Density	25 oC 1.01-1.11
Vapor Pressure	NA
Flammability	Not Flamable
Autoignition Temperature (Flash point: >50？)	200 oC / 392 oF
Flammability	Not Flamable
Flammability Limits in Air	No data available
Explosion Limits	No data available
Pour Point	-5?
Specific Gravity	1.08 - 1.09
Solubility	Complete Soluble in water
Average corrosion rate	0.025mm/a
Maximum pitting corrosion rate	0.13 mm/a

10. Stability and reactivity

Stability	Stable under recommended storage conditions.
Incompatible Products	Strong oxidizing agents. Strong bases.
Conditions to Avoid	Excessive heat

Hazardous Decomposition Products	Carbon oxides. Nitrogen oxides (NOx).
Hazardous Polymerization	None under normal processing.

11. Toxicological information

Product Information: The product itself has not been tested.
Irritation: May cause skin and eye irritation. May cause irritation of respiratory tract.

LD50 Oral : >500 - 2000 mg / kg (rat)

LD50 Dermal : > 2000 mg / kg (rat)

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Hexahydro - 1,3,5 - tris (2 - hydroxyethyl)- S- triazine	763 mg / kg (Rat)		

Chronic Toxicity
Chronic Toxicity Prolonged exposure may cause chronic effects.
Carcinogenicity Contains no ingredient listed as a carcinogen.
Sensitization May cause sensitization by skin contact.

Target Organ Effects Respiratory system, Eyes, Skin,

12. Ecological information

Ecotoxicity
May be harmful to aquatic organisms.

Toxicity to Fish	LC50 (Brachydanio rerio) : 10 - 100 mg / L 96 hr
Microtox	EC20 (0.5 h) : > 100 mg / L (Microoganism / Effect on activated sludge)
Daphnia Magna (Water Flea)	EC50 : 10 - 100 mg / L 48 hr (aquatic invertebrate)
Persistence and Degradability	Readily biodegradable.

13. Disposal considerations

Waste Disposal Method: Dispose of in accordance with local regulations.

14. Transport information

Not classified as hazardous for transport

15. Regulatory information

International Inventories

Component	TSCA	DSL	EINECS	ENCS	INCSC	KEC
Hexahydro - 1,3,5 - tris (2 - hydroxyethyl)- S- triazine	Present	X	X	5 - 998; 5 - 1080	X	KE - 33998

16. Other information

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 application (s) without seeking advice from the manufacturer.