Material Safety Data Sheet

Anti Foaming Scale Inhibitor (RXSOL-16-1056-020)

1. Product and Company Identifaction

Product Name	**RXSOL-11-5014-210**
Product Type	**Scale Inhibitor**

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / informationon ingredients

Chemical Name	CAS-No	Weight %
Diethylenetriamine pentamethylene phosphonic acid	15827-60-8	10-30

3. Hazards Identification

Chemical Name	Cas - No	Weight %
Hexahydro - 1, 3, 5 - tris (2 - hydroxyethyl)-S-triazine	4719 - 04 - 4	40 - 60 %

4. First Aid Measures

General Advice	Get medical attention immediately if symptoms occur.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Seek immediate medical attention/advice.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek immediate medical attention/advice.
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 ^{O}C / >200 ^{O}F
Suitable Extinguishing Media	Water spray. Foam. Dry powder. Carbon dioxide (CO_2).
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 : - 5-40 ^{O}C

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

Chemical Name	ACGIH TLV	ASHA PEL	NIOSH IDLH
Hexahydro - 1, 3, 5-tris(2-hydroxyethyl)- S-triazine 4719-04-4			

Chemical Name	**Alberta**	**British Columbia**	**Saskatchewan**
Hexahydro - 1, 3, 5-tris(2-hydroxyethyl)- S-triazine 4719-04-4			

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

Personal Protective Equipment

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

Appearance	Clear to Slightly Hazy Colorless
Odor	Specific
Physical State	Liquid
pH	9 - 12
Health Hazard	3
Flash Point	>93.3 ^{O}C / > 200 ^{O}F
Autoignition Temperature	200 ^{O}C / 392 ^{O}F
Flammability	Not Flamable
Boiling Point/Range	No data available
Flammability Limits in Air	No data available
Explosion Limits	No data available
Specific Gravity	1.08 - 1.09
Solubility	Soluble in water
Evaporation Rate	NA
Vapor Pressure	NA
Vapor Density	NA
Density	8.95 lbs/gal

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

Acute Toxicity
Product Information: The product itself has not been tested.
Irritation: May cause skin and eye irrition. 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,

Chemical Name	EU - Endocrine Disrupters Candidate List	EU - Endocrine Disruptor - Evaluated Substances	Japan - Endocrine Disruptor Information
Hexahydro - 1,3,5 - tris (2 - hydroxyethyl)- S- triazine	Group III Chemical		

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)

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Hexahydro - 1,3,5 - tris (2 - hydroxyethyl)- S- triazine			EC = 28.9 mg / L 15 min	

Persistence and Degradability Readily biodegradable.

13. Disposal considerations

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

Contaminated Packaging: Dispose of in accordance with local regulations.

14. Transport information

DOT: Not regulated
IATA: Not regulated
IMDG / IMO: Not regulated
TDG : Not regulated

15. Regulatory information

International Inventories

Component	TSCA	DSL	EINECS / ELINCS	ENCS	INCSC	KECL	PICCS	AICS
Hexahydro - 1,3,5 - tris (2 - hydroxyethyl)- S-triazine 4719 - 04 - 4 (40 - 60)	Present	X	X	5 - 998; 5 - 1080	X	KE - 33998	X	X

16. Other information

Disclaimer : The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.