Material Safety Data Sheet

Hydrate Inhibitor 143 (RXSOL-81-8194-210)

1. Product and Company Identifaction

Product Name	Hydrate Inhibitor 143
Part Number	RXSOL-81-8194-210

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

Stock Point : Mumbai, Kandla, Kolkata, Chennai, Visakhapatnam, Surat, Fujairah, Muscat

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

2. Composition / informationon ingredients

Component	CAS-No	Weight %	R Phrases
Methanol	67-56-1	10- 30	
Glycerin	56-81-5	1 - 5	
Quaternary Surfactant	Proprietary	30-50	

3. Hazards Identification



Flamable

Signal Word	:	Danger
Classification	:	Skin irritation,eye irritation,Ingestion May cause blindness if swallowed.
Label Elements	:	Flamablke Liquid
Environmental hazards	:	Environmental effects Dangerous for the environment Very toxic to aquatic organisms; may cause long term adverse effects in the aquatic environment.

4. First Aid Measures

Inhalation	:	Remove to fresh air, treat symptomatically. Get medical attention.
Skin Contact	:	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Obtain medical attention. Take off contaminated clothing and shoes immediately.

Eye Contact	:	Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Ingestion	:	Rinse mouth with water. Drink plenty of water. Obtain medical attention. Never give anything by mouth to an unconscious person.
Important symptoms	:	If you feel unwell, seek medical advice (show the label when possible). No action shall be taken involving any personal risk or without suitable training..

5. Fire-fighting Measures

Fire Hazard	:	Flammable or combustible, may be ignited by heat, sparks or flames. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Flash point 55 °F (12.8 °C) Tagliabue. closed cup.
Suitable Extinguishing Media	:	Suitable Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Fire Fighting Procedure	:	Special protective Fire-fighters should wear appropriate protective equipment and self-contained equipment for fire-fighters breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Special Hazaqrd during fire	:	Hazardous combustion Carbon oxides.
Method	:	Use water spray to cool unopened containers. Do not use a solid water stream as it may scatter and spread fire. Collect contaminated fire extinguishing waterseparately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental Release Measures

Personal Precautions	:	Shut off all ignition sources. Ensure adequate ventilation. Avoid breathing vapor or mist. Do not touch or walk through spilled material. Keep people away from and upwind of spill/leak. Material can create slippery conditions. Put on appropriate personal protective equipment
Environmental Precautions	:	Avoid contact of spilled material with soil and prevent runoff entering surface waterways. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods for Containment and Clean Up	:	For large spills, dike spilled material or otherwise contain it to ensure runoff does not reach a waterway. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Do not flush with water. Do not flush into surface water or sanitary sewer system. Keep in suitable, closed containers for disposal.

7. Handling and Storage

Handling	Eliminate all ignition sources. Use only with adequate ventilation. Put on appropriate personal protective equipment. Do not get in eyes or on skin or clothing. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Open drum carefully as content may be under pressure. Do not enter storage areas and confined spaces unless adequately ventilated. Workers should wash hands and face before eating, drinking and smoking.
Storage	Keep container closed when not in use. Keep container in a well-ventilated area. Separate from oxidizing materials.

8. Exposure controls and personal protection

Engineering Measures	:	Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Personal Protection	:	**Hand protection:** Impervious butyl rubber gloves. Nitrile rubber. Neoprene gloves. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. **Eye protection:** Safety goggles. **Skin and body protection:** Wear as appropriate: Chemical-resistant apron. Long sleeved clothing. Footwear protecting against chemicals. **Respiratory protection:** In the case of vapor formation use a respirator with an approved filter. Approved/certified respirator with organic vapor cartridge. Use a positive pressure air-supplied respirator or self-contained breathing apparatus in confined spaces or if a risk assessment indicates an air-purifying respirator may not provide adequate protection.
Hygiene Measures	:	Handle in accordance with good industrial hygiene and safety practice. Use only with adequate ventilation. Avoid contact with skin, eyes and clothing. Remove contaminated clothing and protective equipment before entering eating areas. Wash hands before breaks and immediately after handling the product.
Protective measures		Emergency baths, showers, or other equipment appropriate for the potential level of exposure should be located close to the workstation location. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.



Gloves



Suit

9. Physical and chemical properties

Physical State	:	Liquid
Appearance	:	Clear Amber
Odor	:	Odourless
Odor Threshold	:	No information available.
PH	:	3.4 - 5.4
Melting / Freezing Point	:	No information available.
Boiling Point/Range	:	64.5 °C (148 °F)
Flash Point	:	55 °F (12.8 °C) Tagliabue. closed cup
Evaporation Rate	:	No information available.
Lower Explosion Limit	:	No data available.
Vapor Pressure	:	No data available.
Vapor Density		No data available.
Relative Density	:	0.8748 - 0.9149 at 68 °F (20.0 °C)
Solubility	:	in Oil
Pour point	:	20 °F (-6.7 °C)
Partition coefficient n octanol/water	:	Not available.
Viscosity	:	4 - 8 cPs
Explosive Properties	:	Not applicable
Oxidizing Properties	:	Not applicable

10. Stability and reactivity

Stability	:	Stable under normal conditions.
Conditions to Avoid	:	Heat, flames and sparks.
Materials to avoid	:	Strong oxidizing agents.
Hazardous decomposition	:	No hazardous decomposition products are known.
Hazardous Reaction	:	No dangerous reaction known under conditions of normal use.

11. Toxicological information

Acute toxicity

Substance	Test type	Species	Dose	Classification
Product	LD50 Dermal	rat	> 2,000 mg/kg	Essentially non-hazardous.

Irritation/Corrosion: No data is available on the product itself.

Sensitization: No data is available on the product itself.

Chronic toxicity: No data is available on the product itself.

Organ effects: Methanol: Ingestion may cause blindness.

Carcinogenicity: No data is available on the product itself.None of the components are listed.

12. Ecological information

Environmental effects : Dangerous for the environment Very toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment.

Aquatic ecotoxicity :

Substance	Species	Exposure	ValueType	Value	Endpoints	Classification	Type
Product	Fathead organisms.	96 h	LC50	0.17 mg/l	-	Very toxic to aquatic	

Biodegradation : No Data Available

Bioaccumulation : No information available

13. Disposal considerations

Disposal : Waste disposal The product should not be allowed to enter drains, water courses or the soil.Dispose of wastes in an approved waste disposal facility. Empty containers or liners may retain some product residues. If recycling is not practicable, dispose of in compliance with local regulations.

Packing: Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transport information

Land Transport :

Proper Shipping Name	:	Flammable liquids, toxic, n.o.s.(Methanol)
UN Number	:	UN1992
Transport hazard class(es)	:	3
Transport hazard class(es)	:	II
Special precautions for user	:	Not applicable

Air Transport (ICAO/ IATA)

Proper Shipping Name	:	Flammable liquids, toxic, n.o.s.(Methanol)
UN Number	:	UN1992
Transport hazard class(es)	:	3
Transport hazard class(es)	:	II
Special precautions for user	:	Not applicable

Marine Transport (IMDG/IMO)

Proper Shipping Name	:	Flammable liquids, toxic, n.o.s.(Methanol)
UN Number	:	UN1992
Transport hazard class(es)	:	3
Transport hazard class(es)	:	II
Special precautions for user	:	Not applicable

15. Regulatory information

SARA Title III Section 302 Extremely hazardous substances (40 CFR Part 355):

None of the components are listed.

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Fire Hazard
Acute Health Hazard

SARA 313 - Supplier notification

Component	CAS no.	Weight %
Methanol	67-56-1	30 - 60

Clean Water Act (CWA) 307: None of the components are listed.

Clean Water Act (CWA) 311: None of the components are listed.

Clean Air Act (CAA) 112 accidental release prevention: None of the components are listed.

State regulations

Massachusetts Substances: The following components are listed: Methanol Glycerin

Pennsylvania RTK Hazardous Substances: The following components are listed: Methanol Glycerin

New Jersey Hazardous Substances: The following components are listed: Methanol Glycerin

California Prop. 65:

16. Other information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Rx Marine International be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if RX Marine International has been advised of the possibility of such damages.

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