Material Safety Data Sheet

RXSOL ORG - 14 (Biopolymer) (RXSOL-81-8143-025)

1. Product and Company Identifaction

Product Name	RXSOL ORG - 14 (Biopolymer)
Part Number	RXSOL-81-8143-025

Company Details:

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

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

Synonyms : Drilling Mud Additive **Molecular formula** : Mixture

Component	CAS-No.	Weight %
C12-C14 Isoalkanes	68551-19-9	0 - 60
Distillates (petroleum), hydrotreated light	64742-47-8	0 - 60

3. Hazards Identification

Emergency Overview :

Physical state	**:**Liquid
Color	**:**Light brown
Odor	**:**Negligible
OSHA Hazards	**:**Combustible Liquid
GHS Classification	**:**Flammable liquids, Category 4
Hazard Statements	**:**H227: Combustible liquid

Precautionary Statements :

Prevention.: P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P280: Wear protective gloves/ protective clothing/ eye protection/ face protection

Response: P370 + P378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage: P403 + P235: Store in a well-ventilated place. Keep cool

Disposol: P501: Dispose of contents/ container to an approved waste disposal plant.

Carcinogenicity:

IARC : No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP : No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

ACGIH : No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

4. First Aid Measures

General advice : No hazards which require special first aid measures
.
If inhaled : Move to fresh air. If symptoms persist, call a physician
.
In case of skin contact : If on skin, rinse well with water. If on clothes, remove clothes.

In case of eye contact : Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear. Never give anything by mouth to an unconscious person. Take victim immediately to hospital.

5. Fire-fighting Measures

Flash point	:76.7 °C (170.1 °F) Method: Tag closed cup
Autoignition temperature	:> 200 °C (> 392 °F)
Suitable extinguishing media	:Carbon dioxide (CO2).
Unsuitable extinguishing media	:High volume water jet.
Special protective equipment for fire-fighters	:Wear self contained breathing apparatus for fire fighting if necessary.
Further information	:For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.
Fire and explosion protection	:Do not spray on an open flame or any other incandescent material. Keep away from open flames, hot surfaces and sources of ignition.
Hazardous decomposition products	:Carbon oxides.

6. Accidental Release Measures

Environmental precautions : Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

7. Handling and Storage

Handling
Advice on safe handling : Avoid formation of aerosol. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Do not spray on an open flame or any other incandescent material. Keep away from open flames, hot surfaces and sources of ignition.

Storage

Requirements for storage : No smoking. Keep container tightly closed in a dry and well ventilated place. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

8. Exposure controls and personal protection

Ingredients with workplace control parameters

Ingredients	Basis	Value	Control parameters	Note
C12-C14 Isoalkanes	Manufacturer	TWA	1,200 mg/m3	

Engineering measures:

Adequate ventilation to control airborned concentrations below the exposure guidelines/limits. Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

Personal protective equipment:

Respiratory protection : Wear a NIOSH approved respirator that provides protection when working with this material if exposure to harmful levels of airborne material may occur, such as:. Wear a supplied-air NIOSH approved respirator unless ventilation or other engineering controls are adequate to maintain minimal oxygen content of 19.5% by volume under normal atmospheric pressure. Air-Purifying Respirator for Organic Vapors. Use a positive pressure, air-supplying respirator if there is potential for uncontrolled release, exposure levels are not known, or other circumstances where air-purifying respirators may not provide adequate protection.

Hand protection : The suitability for a specific workplace should be discussed with the producers of the protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Eye protection : Eye wash bottle with pure water. Tightly fitting safety goggles.

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place. Wear as appropriate:. Protective suit. Safety shoes.

Hygiene measures : Wash hands before breaks and at the end of workday.



Gloves



Suit

9. Physical and chemical properties

Appearance	:Liquid
Color	:Light brown
Odor	:Negligible
Flash point	:76.7 °C (170.1 °F)
Lower explosion limit	:No data available
Upper explosion limit	:No data available
Oxidizing properties	:No
Autoignition temperature	:> 200 °C (> 392 °F)
Molecular formula	:Mixture
Molecular Weight	:Not applicable
pH	:No data available
Pour point	:No data available
Boiling point/boiling range	:No data available
Vapor pressure	:No data available

Relative density	:0.97
Water solubility	:Soluble
Partition coefficient: n-octanol/water	:No data available
Viscosity, dynamic	:72,000 cP
Relative vapor density	:No data available
Evaporation rate	:No data available

10. Stability and reactivity

Chemical stability : This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Possibility of hazardous reactions

Conditions to avoid : Heat, flames and sparks.

Materials to avoid : May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Other data : No decomposition if stored and applied as directed.

11. Toxicological information

Acute oral toxicity

C12-C14 Isoalkanes	LD50: > 3,900 mg/kg Species: rat
Distillates (petroleum), hydrotreated light	No data available

Acute inhalation toxicity

C12-C14 Isoalkanes	LC50: > 5.3 mg/l Exposure time: 4 h Species: rat Test atmosphere: dust/mist
Distillates (petroleum), hydrotreated light	No data available

Acute dermal toxicity

C12-C14 Isoalkanes	LD50: > 2,000 mg/kg Species: rabbit
Distillates (petroleum), hydrotreated light	No data available
RXSOL ORG - 14 (Biopolymer) Skin irritation	No skin irritation
RXSOL ORG - 14 (Biopolymer) Eye irritation	No eye irritation

Sensitization

Distillates (petroleum), hydrotreated light	Does not cause skin sensitization.Information given is based on data obtained from similar substances.

Repeated dose toxicity

C12-C14 Isoalkanes	Species: Monkey Dose: 0, 654 ppm Exposure time: 4 wk Number of exposures: 6 h/d, 3 d/wk NOEL: > 654 ppm
RXSOL ORG - 14 (Biopolymer)Aspiration toxicity	No aspiration toxicity classification.
RXSOL ORG - 14 (Biopolymer)Further information	Concentrations substantially above the TLV value may cause. Narcotic effects. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Solvents may degrease the skin. Inhalation of vapors in high concentration may cause irritation of respiratory system.

12. Ecological information

Toxicity to fish

C12-C14 Isoalkanes :

LL50	:	> 1,000 mg/l
Exposure time	:	96 h
Species	:	Oncorhynchus mykiss (rainbow trout) semi-static test Method: OECD Test Guideline 203.Information given is based on data obtained from similar substances.

Toxicity to daphnia and other aquatic invertebrates

EL50	:	> 1,000 mg/l
Exposure time	:	48 h
Species	:	Daphnia magna (Water flea) static test Method: OECD Test Guideline 202Information given is based on data obtained from similar substances.

Distillates (petroleum), hydrotreated light :

EL50: > 100 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea) static test Method: OECD Test Guideline 202

Aquatic toxicity is unlikely due to low solubility.

Toxicity to algae

C12-C14 Isoalkanes :

EL50: > 1,000 mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (green algae)

Elimination information (persistence and degradability)

Biodegradability : Expected to be inherently biodegradable.

Additional ecological information : This material is not expected to be harmful to aquatic organisms. Information given is based on data on the ingredients and the ecotoxicology of similar products.

13. Disposal considerations

The information in this MSDS pertains only to the product as shipped.

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

Product : Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

14. Transport information

Us Dot (United States Department Of Transportation)
-Not Regulated As A Hazardous Material Or Dangerous Goods For Transportation By This Agency.

Testing (Astm D4206) Has Shown Product Does Not Sustain Combustion.

Imo / Imdg (International Maritime Dangerous Goods)
-Not Regulated As A Hazardous Material Or Dangerous Goods For Transportation By This Agency.

Iata (International Air Transport Association)
-Not Regulated As A Hazardous Material Or Dangerous Goods For Transportation By This Agency.

Adr (Agreement On Dangerous Goods By Road (Europe))
-Not Regulated As A Hazardous Material Or Dangerous Goods For Transportation By This Agency.

Rid (Regulations Concerning The International Transport Of Dangerous Goods (Europe))
-Not Regulated As A Hazardous Material Or Dangerous Goods For Transportation By This Agency.

Adn (European Agreement Concerning The International Carriage Of Dangerous Goods By Inland Waterways)
-Not Regulated As A Hazardous Material Or Dangerous Goods For Transportation By This Agency.

15. Regulatory information

SARA 311/312 Hazards	Fire Hazard
CERCLA Reportable Quantity	This material does not contain any components with a CERCLA RQ.
SARA 302 Reportable Quantity	This material does not contain any components with a SARA 302 RQ.
SARA 302 Threshold Planning Quantity	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302
SARA 304 Reportable Quantity	This material does not contain any components with a section 304 EHS RQ.
SARA 313 Ingredients	SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

Ozone-Depletion Potential : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

US State Regulations

Pennsylvania Right To Know : No components are subject to the Pennsylvania Right to Know Act.

New Jersey Right To Know : No components are subject to the New Jersey Right to Know Act.

California Prop. 65 Ingredients : This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

Notification status :

Europe REACH	A substance or substances in this product is not registered or notified to be registered. Importation or manufacture of this product is still permitted provided that it does not exceed the REACH minimum threshold quantity of the non-regulated substances.
USA TSCA	On TSCA Inventory
Canada DSL	All components of this product are on the Canadian DSL.
Australia AICS	On the inventory, or in compliance with the inventory
New Zealand NZIoC	On the inventory, or in compliance with the inventory
Japan ENCS	On the inventory, or in compliance with the inventory
Korea KECI	On the inventory, or in compliance with the inventory
Philippines PICCS	Not in compliance with the inventory
China IECSC	On the inventory, or in compliance with the inventory

NFPA Classification : Health Hazard: 1
Fire Hazard: 1
Reactivity Hazard: 0

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.

DISCLAIMER OF LIABILITY :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.