Material Safety Data Sheet

Biopolymer RXPT (RXSOL-81-8188-210)

1. Product and Company Identifaction

Product Name	Biopolymer RXPT
Part Number	RXSOL-81-8188-210

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / informationon ingredients

Name	CAS Number	EC Number
Isoprene	78-79-5	201-143-3
Styrene	100-42-5	202-851-5
Hydrocarbons,C11-C14, n-alkanes, isoalkanes, 2%		

Synonyms : Drilling Mud Additive
Molecular formula : Mixture

3. Hazards Identification

Classification of the substance or mixture ::: Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Classification (67/548/EEC, 1999/45/EC) : This mixture is not classified as dangerous according to Directive 1999/45/EC.
Label elements
Labeling (REGULATION (EC) No 1272/2008) : Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

4. First Aid Measures

General advice : No hazards which require special first aid measures.

If **inhaled :** If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

In case of skin contact : If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.

In case of eye contact : Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

If swallowed : Clean mouth with water and drink afterwards plenty of water. Keep respiratory tract clear. Never give anything by mouth to an unconscious person. Take victim immediately to hospital.

5. Fire-fighting Measures

Flash point	:	> 77 °C (> 171 °F) Method: ASTM D 93
Autoignition temperature	:	225 °C (437 °F)
Unsuitable extinguishing media	:	High volume water jet.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus for firefighting 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

Personal precautions : Use personal protective equipment.

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.

A quantitative risk assessment is not required for the environment.
A quantitative risk assessment is not required for human health.

7. Handling and Storage

Handling

Advice on safe handling : Avoid formation of aerosol. Avoid contact with skin and eyes. 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 openflames, hot surfaces and sources of ignition.

Storage

Requirements for storage areas and containers : No smoking. Keep container tightly closed in a dry and well-ventilated place. Observe label precautions. Electrical installations / working materials must

8. Exposure controls and personal protection

Engineering measures : 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 Dusts and Mists. 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:. Safety shoes. Protective suit.

Hygiene measures : When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

A quantitative risk assessment is not required for the environment.
A quantitative risk assessment is not required for human health.



Gloves



Suit

9. Physical and chemical properties

Physical state	:	Liquid
Color	:	Light brown
Odor	:	Slight
Flash point	:	> 77 °C (> 171 °F) Method: ASTM D 93
Lower explosion limit	:	0,6 %(V)
Upper explosion limit	:	5,1 %(V)
Oxidizing properties	:	No
Autoignition temperature	:	225 °C (437 °F)
Molecular formula	:	Mixture
Molecular weight	:	Not applicable
pH	:	No data available
pour point	:	No data available
Boiling point/boiling range	:	217,8 - 237,8 °C (424,0 - 460,0 °F)
Vapor pressure	:	No data available
Relative density	:	0.97
Water solubility	:	Soluble
Partition coefficient: n-octanol/water	:	No data available
Viscosity, kinematic	:	79.983 mm2/s
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 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.

Hazardous decomposition products : Carbon oxides

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

11. Toxicological information

Acute oral toxicity	:	No adverse effects expected
Acute inhalation toxicity	:	No adverse effects expected
Acute dermal toxicity	:	No adverse effects expected
Skin irritation	:	May irritate skin.
Eye irritation	:	May irritate eyes.
Biopolymer RXPT Sensitization	:	Does not cause sensitization. Information given is based on data obtained from similar substances.
Aspiration toxicity	:	No aspiration toxicity classification.

Further information	:	High concentration of vapors may cause irritation to eyes and respiratory system and produce narcotic effects.

12. Ecological information

Elimination information (persistence and degradability)
Biodegradability : Expected to be biodegradable

Ecotoxicology Assessment
Additional ecological information : This material is not expected to be harmful to aquatic organisms.

13. Disposal considerations

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.

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

US FEDERAL REGULATIONS: WASTE CLASSIFICATION: Not a hazardous waste by U.S. RCRA criteria. See Section 13.

REGULATORY STATUS: This Product or its components, if a mixture, is subject to following regulations (Not meant to be all inclusive - selected regulations represented):

SARA 311 Categories: 1: Immediate (Acute) Health Effects. The components of this product are listed on or are exempt from the following international chemical registries:

?TSCA (U.S.)
DSL (Canada)

STATE REGULATIONS:
STATE REGULATORY STATUS: This product or its components, if a mixture, is subject to following regulations (Not meant to be all inclusive - selected regulations represented): None.

PROPOSITION 65: This product does not contain chemicals considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer or reproductive toxicity, and for which warnings are now required.

?NPCA HMIS HAZARD INDEX: 2 Moderate Hazard
FLAMMABILITY: 1 Slight Hazard
REACTIVITY: 0 Minimal Hazard

NPCA HMIS PERS. PROTECT. INDEX: J - Splash Goggles, Gloves, Synthetic Apron, Dust and Vapor Respirator.

Europe REACH	On the inventory, or in compliance with the inventory
USA TCSA	Not On TSCA Inventory
Canada DSL	This product contains one or several components that are not on the Canadian DSL nor NDSL
Australia AICS	Not in compliance with the inventory
New Zealand, NZIoC	Not in compliance with the inventory
Japan ENCS	Not in compliance with the inventory
Korea KECI	Not in compliance with the inventory
Philippines PICCS	Not in compliance with the inventory
China IECSC	Not 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.

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