Material Safety Data Sheet

Bilge Water Flocculant (RXSOL-40-4096-025)

1. Product and Company Identifaction

Product Name	RXSOL-40-4096-025
Product Type	Bilge Water Floculant

Company Details:

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

Stock Point ::: Mumbai, Kandla, Chennai - Ennore, Visakhapatnam, Gangavaram, Kolkata, Haldia, Fujairah

Phone	+91 22 27815541 / 42
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	mail@rxmarine.com

2. Composition / informationon ingredients

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
Polydiallyldimethyl ammoniumchloride	1-5%	26062-79-3	N/A	R52/53	-
Polyaluminiumchloridehydroxysilicate	30-60%	1327-41-9	215-477-2	R36/38	Xi

*See Section 16

3. Hazards Identification

- Odour: Odourless
- Appearance: Liquid, colourless to yellow, soluble in water
- Inhalation: Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
- Ingestion: The ingestion of significant quantities may cause gastro-intestinal disturbances
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
- After contact with skin, wash immediately with plenty of water (S28)
- Wear suitable protective clothing, eye/face protection and gloves (S36/37/39)

4. First Aid Measures

Contact with skin	• Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water • Seek medical advice if necessary • Contaminated clothing should be laundered before reuse
Contact with eyes	• If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes • Irrigate eyes thoroughly whilst lifting eyelids • Obtain immediate medical attention

Ingestion	• Do not induce vomiting • Never give anything by mouth to an unconscious person • Give water or milk to drink • Seek medical attention if ill effects occur
Inhalation	• Inhalation is unlikely to occur • Remove patient to fresh air • Keep warm and at rest • Seek medical attention if ill effects occur
General	• In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45) • When in doubt or symptoms persist, seek medical attention

5. Fire-fighting Measures

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8

Environmental Precautions

- Do not flush spilt material into any public water system

Methods and material for containment and cleaning up

- Neutralise with Sodium carbonate
- Absorb spillage in inert material and shovel up
- Ventilate the area and wash spill site after material pick-up is complete

Special Precautions

- Wear protective clothing as per section 8

7. Handling and Storage

Precautions for safe handling

- Eyewash bottles should be available
- See Section 8

Conditions for safe storage, including any incompatibilities

- Keep only in the original container in a cool, well ventilated place (S3/9/49)
- Store between 0 and 20 °C

8. Exposure controls and personal protection

Control parameters

- No exposure limits have been set for this substance

Exposure controls

- No special ventilation is required unless the product is used in a spray form

Occupational exposure controls

- Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)
- No respiratory protection is required unless subject to contact with substance mist

Gloves Suit Goggles No Smoking

9. Physical and chemical properties

- Odour: Odourless
- Appearance: Liquid, colourless to yellow, soluble in water
- pH 1-2 at 100 % concentration
- Boiling point 100-120 °C at 760 mm /Hg
- Vapour pressure - not known
- Vapour density - not applicable
- Freezing point - 25 °C at 760 mm/Hg
- Completely soluble in water
- Specific gravity (water=1) 1.30
- Log Pow 3

10. Stability and reactivity

- This article is considered stable under normal conditions
- Avoid overheating, Keep away from frost, Avoid contact with oxidising substances
- Contact with metals may form flammable gases
- Contact with nitrite (e.g. Diesel DEWT Guard NB NB, ROCCORRX NB Liquid) liberates toxic gas.

11. Toxicological information

Information on toxicological effects

- LD50 (oral,rat) Acute: (Aluminiumchloride)>2000 mg/kg

Inhalation

- Inhalation is unlikely to occur
- Vapours or aerosols may cause irritation of eyes, nose and respiratory tract

Contact with skin

- In cases of severe exposure, redness and irritation may develop

Contact with eyes

- Causes redness and irritation

Ingestion

- The ingestion of significant quantities may cause gastro-intestinal disturbances

Carcinogenicity

- No evidence of carcinogenic effects

12. Ecological information

Ecotoxicity

- LC50 (fish) >1000 mg/l (96 hr)

- EC50 (daphnia) 98 mg/l (48 hr)
- This product does not contain ingredients which are classified in the EU as dangerous for the environment.

Persistence and degradability

- Its main ingredients will either dissolve rapidly and dissociate in water or are readily/inherently biodegradable.

Bioaccumulation Potential

- Bioaccumulation of the components in this product is insignificant.

Mobility in soil

- Completely soluble in water

Other Adverse Effects

- No environmental problems are expected when the product is used / handled correctly.
- Presents little or no hazard to the aquatic environment

13. Disposal considerations

Waste treatment methods

- Disposal should be in accordance with local, state or national legislation

14. Transport information

Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s. (polyaluminiumchloridehydroxysilicate solution)

Road/Rail (ADR/RID)
Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s. (polyaluminiumchloridehydroxysilicate solution)
ADR UN No.: UN3264 ADR Hazard Class: 8
ADR Packing Group: III ADR subrisk: -
ADR Flashpoint: -

Sea (IMDG)
Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s.
(polyaluminiumchloridehydroxysilicate solution)
IMDG UN No.: UN3264 IMDG Hazard Class.: 8
IMDG Pack Group.: III IMDG EmS: F-A, S-B
IMDG subrisk: - IMDG Flashpoint: -

Air (ICAO/IATA)
Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s.
(polyaluminiumchloridehydroxysilicate solution)
ICAO Un No.: UN3264 ICAO Hazard Class.: 8
ICAO Packing Group.: III ICAO subrisk: -
ICAO Flashpoint: -

DOT / CFR (US Department of Transportation)
DOT Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s.
(polyaluminiumchloridehydroxysilicate solution)
Hazardous Material: polyaluminiumchloridehydroxysilicate solution
Hazard Class: 8 Identification Number: UN3264
Product RQ (lbs): - DOT subrisk: -
DOT Flashpoint: -

Special precautions for user

- Forbidden on passenger aircraft

15. Regulatory information

Classification and labelling

- Counsil Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Safety, health and environmental regulations/legislation specific for the substance or mixture
- This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)
- This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH and Directive 453/2010/EU.

16. Other information

Text of R and S phrase codes used in this safety data sheet:- R36/38: Irritating to eyes and skin; R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.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 manufacturer.

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