

1. Product and Company Identification

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Product Name: **RXSOL-40-4003-210**

Product Type: BIOLOGICAL ANTIFOULING GUARD

Company Details:

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

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2. Composition / Information on ingredients

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Chemical Name

Concentration

CAS Number

EC Number

R Phrases*

Symbols

Amines, N-tallowalkyl trimethylendiacetates

5 - 10 %

68911-78-4

272-786-5

22, 34, 50

C, N

2-Butoxyethanol

5 - 10 %

111-76-2

203-905-0

20/21/22, 36/38

Xn

Amines, N-tallow alkylpropylenedi

10 - 15 %

64742-94-5

265-198-5

65, 66, 51, 53

Xn, N

Ethanediol60-100 %107-21-1203-473-3R22Xn

N-Coco-1,3-diaminopropane10-24 %61791-63-7263-195-3R22-35-48/25-50C ,T ,N

*See Section 16

3. Hazards Identification

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Odour

Characteristic odour

Appearance

Liquid, pale yellow, soluble in water

Contact with eyes

Risk of serious damage to eyes (R41)

Contact with skin

Causes irritation

Inhalation

Harmful by inhalation, in contact with skin and if swallowed (R20/21/22).Very toxic to aquatic organisms (R50)

4. First Aid Measures

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Contact with skin

Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water. When in doubt or symptoms persist, seek medical attention. 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. Seek immediate medical attention. Continue flushing with water until medical help arrives.

Ingestion

Never make an unconscious person vomit or drink fluids. Give plenty of water to drink. Do not induce vomiting. Seek immediate medical attention.

Inhalation

Remove patient to fresh air. Keep warm and at rest, in a half upright position. Loosen clothing. When in doubt or symptoms persist, seek medical attention.

General

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)

5. Fire-fighting Measures

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- Flash point >70 deg C (CC)
- Decomposition products may include phosgene, Decomposition products may include carbon oxides
- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide (S43)
- Substance evolves toxic fumes, wear self-contained breathing apparatus
- Prevent run off water from entering drains if possible
- Use water spray or fog to knock down and absorb corrosive fumes
- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback

6. Accidental Release Measures

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Personal Precautions

Wear protective clothing as per section 8. Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback.

Environmental Precautions

Do not allow to enter public sewers and watercourses.

Immediate Actions

Use appropriate containment to avoid environmental contamination (S57)

Clean Up Actions

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. Avoid release to the environment. Refer to special instructions/Safety data sheets (S61). Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback.

7. Handling and Storage

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Handling

See Section 8. Eyewash bottles should be available. Avoid contact with skin and eyes (S24/25)

Storage

Keep only in the original container in a cool, well ventilated place (S3/9/49)

8. Exposure controls and personal protection

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Exposure Limits

TLV (TWA) 20 ppm, 122 mg/m³ (1,2-Dichlorobenzene).

Exposure controls

The undiluted product must not be used in a confined space without good ventilation.

Occupational exposure controls

Wear approved respirator if exposure likely to exceed MEL/OES. Wear goggles giving complete eye protection. Wear suitable protective clothing, including eye/face protection and gloves (neoprene or nitrile are recommended).



Gloves



Suit



Goggles



No_Smoking

9. Physical and chemical properties

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Odour

Unpleasant odour, Strong smell of phenol

Appearance

Liquid, brown, dispersible in water

pH

10 -11 (5% in 50/50 H₂O-IPA mix)

Boiling point >

100 °C at 760 mm /Hg

Vapour pressure

not known

Vapour density

(air = 1) >01

Freezing point

<0 °C at 760 mm/Hg

Insoluble in water

Specific gravity

(water=1) 1.02

Flash point >

70 deg C (CC)

10. Stability and reactivity

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-
- This article is considered stable under normal conditions, May cause rubber to swell
 - Avoid overheating
 - Incompatible with strong oxidizing substances, Contact with alkaline earth metals may form explosive gases, Contact with alkali metals may form explosive gases
 - See Section 5

11. Toxicological information

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Toxicological information

No experimental data available Inhalation.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 irritation

Ingestion

May cause gastro-intestinal disturbances.

Carcinogenicity

No evidence of carcinogenic effects.

12. Ecological information

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Ecotoxicity

This product does not contain ingredients which are classified in the EU as dangerous for the environment.

Mobility

Completely soluble in water

Persistence and Biodegradability

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. Other Adverse Effects.No environmental problems are expected when the product is used / handled correctly.

13. Disposal considerations

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Classification

This material and/or its container must be disposed of as hazardous waste EU Waste class

Disposal considerations

Do not discharge into drains or the environment, dispose to an authorised waste collection point. Disposal should be in accordance with local, state or national legislation.

14. Transport information

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Proper Shipping Name

UN

Proper Shipping Name

Environmentall yhazardous substance, liquid, n.o.s. (contains alkyl propylenediamine)

UN NO

3082

Hazard Class

9

Packing Group

III

Road/Rail (ADR/RID)

Proper Shipping Name

Environmentally hazardous substance, liquid, n.o.s. (contains alkyl propylenediamine)

ADR UN No

3082

ADR Hazard Class

9

Termcard
9-01
Sear (IMDG)
Proper Shipping Name
Environmentally hazardous substance, liquid, n.o.s. (contains alkyl propylenediamine)
IMDG UN No
3082
IMDG Hazard Class
9
IMDG Pack Group
II
IMDG EmS
F-A, S-B
IMDG subrisk
-
IMDG Labels
9
IMDG Flashpoint
-
Air(ICA0/IATA)
Proper Shipping Name
Environmentally hazardous substance, liquid, n.o.s. (contains alkyl propylenediamine)
ICA0 UnNo
3082

ICAO Hazard Class

9

ICAO Packing Group

II

ICAO subrisk

-

ICAO Labels

9

ICAO Flash point

-

DOT/CFR (USD epartment of Transportation

DOT Proper Shipping Name:

Environmentally hazardous substance, liquid, n.o.s. (contains alkyl propylenediamine)

Hazardous Material

see section 2

Hazard Class:

9

Identification Number:

UN 3082

Product RQ (lbs):

N/A

DOT subrisk:

DOT Labels:

9

DOT Flash point:

-

15. Regulatory information

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Risk Phrases

Irritating to eyes (R36).

Safety Phrases Irritant

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26). Wear suitable gloves and eye/face protection (S37/39).

16. Other information

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Text of R and S phrase codes used in this safety data sheet:- R34: Causes burns; R36: Irritating to eyes; R37: Irritating to respiratory system; R41: Risk of serious damage to eyes. 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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