Material Safety Data Sheet

Biocontrol RX 20 Ltr (RXSOL-70-7012-020)

1. Product and Company Identifaction

Product Name	**RXSOL-50-7012-020**
Product Type	**BIOCONTROL-I**

Company Details:

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

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

Phone	+91 22 27815540 / 41 / 42
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2. Composition / informationon ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
Naphtha (petroleum) hydro sulfurized heavy	30-60	64742-82-1	265-185-4	65,66	Xn
Kerosine, unspecified	30-60	64742-94-5	265-198-5	65,66,51,53	Xn, N
N,N-Methylene-bis-(5-methyl-oxazolidine	10-30	66204-44-2	266-235-8	34,21/22,52	C

3. Hazards Identification



Corrosive



Danger For Environment

Odour	Strong smell of amine.
Appearance	Liquid, pale yellow, partly soluble in water.
Contact with eyes	Risk of serious damage to eyes (R41).
Contact with skin	Repeated exposure may cause skin dryness or cracking (R66), Prolonged skin or eye contact may cause chemical burns.
Inhalation	In cases of severe exposure, anaesthesia may develop, May cause chronic pneumonitis.

Ingestion	Harmful in contact with skin and if swallowed (R21/22) Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R51/53).

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 Contaminated clothing should be laundered before reuse Seek medical attention if irritation persists
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
Ingestion	Do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention If vomiting occurs turn patient on side Never give anything by mouth to an unconscious person Give 200-300mls (half pint) water to drink Obtain immediate medical attention
Inhalation	Remove patient to fresh air 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)

5. Fire-fighting Measures

- Auto-ignition point 230 deg C
- Flash point >85 deg C (CC)
- Smoke from fires is toxic, Nitrogen and carbon oxides may be formed
- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide (S43)
- Vapors are heavier than air and may travel considerable distances to a source of ignition and flashback
- Prevent run off water from entering drains if possible

6. Accidental Release Measures

Personal Precautions	Wear protective clothing as per section 8.
Environmental Precautions	Do not flush spilt material into any public water system Use appropriate containment to avoid environmental contamination (S57) Vapors are heavier than air and may travel considerable distances to a source of ignition and flashback.
Immediate Actions	Contain spillage by any means possible.
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	Do not allow to enter public sewers and watercourses Wear protective clothing as per section 8.

7. Handling and Storage

Handling	Avoid contact with skin and eyes (S24/25) Eyewash bottles should be available See Section 8
Storage	Keep only in the original container in a cool, well ventilated place (S3/9/49) Keep container tightly closed (S7).Keep away from open flames, hot surfaces and sources of ignition.

8. Exposure controls and personal protection

Exposure Limits	TLV (TWA) 275 mg/m3 (Naphtha, low boiling, hydrogen treated) TLV (TWA) 120 mg/m3 (Kerosene, unspecified)
Exposure controls	The undiluted product must not be used in a confined space without good ventilation
Occupational exposure controls	Respiratory protection may be required under exceptional circumstances when excessive air contamination exists Wear suitable protective clothing, including eye/face protection and gloves (neoprene or nitrite are recommended)


Gloves


Suit


Goggles


No_Smoking

9. Physical and chemical properties

Odour	Strong smell of amine.
Appearance	Liquid, pale yellow, partly soluble in water
pH	not applicable
Boiling point	185 °C to 210 °C at 760 mm /Hg
Vapour density (air = 1)	>1
Melting point	not known
Partially soluble in water	
Specific gravity (water=1)	0.89
Flash point	>85 deg C (CC)
Auto-ignition point	230 deg C
Lower explosive limit	0.6 % (in air)
Upper explosive limit	6 % (in air)6 % (in air)

10. Stability and reactivity

- This article is considered stable under normal conditions
- Keep away from naked flames, incandescent or hot surfaces
- See Section 5

11. Toxicological information

Toxicological information	No experimental data available.
Inhalation	Inhalation of solvent vapours may give rise to nausea, headaches and dizziness In cases of severe exposure, burning sensation may develop.
Contact with skin	May cause redness and irritation Prolonged skin or eye contact may cause chemical burns.
Contact with eyes	Prolonged skin or eye contact may cause chemical burns.
Ingestion	The ingestion of significant quantities may cause damage to lungs.
Carcinogenicity	No evidence of carcinogenic effects .

12. Ecological information

Ecotoxicity	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R51/53)
Mobility	Partially soluble in water.
Persistence and Biodegradability	Most components in this product are not readily biodegradable.
Bioaccumulation Potential	Hydrocarbon solvents have the potential to bioaccumilate.
Other Adverse Effects	No environmental problems are expected when the product is used / handled correctly. In its intended use, the product will not be released into the environment.

13. Disposal considerations

Classification	This material and/or its container must be disposed of as hazardous waste EU Waste class:07.01
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

Dangerous Substance Marine Pollutant

Proper Shipping Name

UN

Proper Shipping Name	Environmentallyhazardoussubstance, liquid, n.o.s. (Alkyl(C3-C8)Benzenes)		
UNNo.	3082		
Hazard Class	9	PackingGroup:	III

Road/Rail(ADR/RID)

Proper Shipping Name	Environmentallyhazardoussubstance, liquid, n.o.s. (Alkyl(C3-C8)Benzenes)		
ADR UN No.	3082		
ADR Hazard Class	9	Tremcard:	90GM6-III

Sea(IMDG)

Proper Shipping Name	Environmentallyhazardoussubstance, liquid, n.o.s. (Alkyl(C3-C8)Benzenes)		
IMDG UN No.	3082		
IMDG Hazard Class.	9	IMDG Pack Group.:	III
IMDG EmS	N/A	IMDG subrisk	-
IMDG Labels	9+MarinePollutant		
IMDG Flash point	>85ºC		

Air(ICAO/IATA)

Proper Shipping Name	Environmentallyhazardoussubstance, liquid, n.o.s. (Alkyl(C3-C8)Benzenes)		
ICAO Un No.	3082		
ICAO Hazard Class.	9	ICAO Packing Group.	III
ICAO subrisk	-	ICAO Labels	9
ICAO Flash point	>85ºC		

DOT/ CFR (US Department of Transportation)

DOT Proper Shipping Name	Environmentallyhazardoussubstance, liquid, n.o.s. (Alkyl(C3-C8)Benzenes)		
Hazardous Material	Alkyl(C3-C8)Benzenes		
Hazard Class	9	Identification Number	UN 3082
Product RQ (lbs)	Not Established		6.1
DOT subrisk	-		
DOT Labels	9+MarinePollutant		N/A
DOT Flashpoint	>85ºC		

Corrosive
Risk Phrases : Dangerous for the Environment

-Repeated exposure may cause skin dryness or cracking (R66)
-Harmful: may cause lung damage if swallowed (R65)
-Causes burns (R34)
-Harmful in contact with skin and if swallowed (R21/22)

15. Regulatory information

Toxic to aquatic organisms,may cause long-term adverse effects in the aquatic environment (R51/53) Safety Phrases:In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26) This material and its container must be disposed o as hazardous waste (S60) Wear suitable protective clothing, eye/face protection and gloves (S36/37/39) In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45) Avoid release to the environment. Refer to special instructions/Safety data sheets (S61

16. Other information

Text of R and S phrase codes used in this safety data sheet:-R21/22: Harmful in contact with skin and if swallowed;R34: Causes burns;R51: Toxic to aquatic organisms;R52: Harmful to aquatic organisms;R53: May cause long term adverse effects in the aquatic environment;R65: Harmful: may cause lung damage if swallowed; R66: Repeated exposure may cause skin dryness or cracking. 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 assuitable for other applications - usage in such may cause risks ot mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC) This Safety Data Sheet is provided in compliance with The Dangerous Preparations Directive (88/379/EEC) This Safety Data Sheet is provided in compliance with The Safety Data Sheets Directive (2001/58EC)

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