# Material Safety Data Sheet

**Biocontrol RX CONTROLLER of Organism in FUEL** (RXSOL-70-7012-025)

## 1. Product and Company Identifaction

| | |
|---|---|
| Product Name | **RXSOL-50-7012-025** |
| Product Type | **BIOCONTROL-II** |

**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 |
| Fax | +91 22 2781 1318 :::AOH :0091 9821214367 |
| Email | mail@rxmarine.com |


## 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.<br>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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