

1. Product and Company Identification

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Product Name : ZYME BOE
Part Number : RXSOL-15-1700-020

Company Details:

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

STOCK POINT ::: Mumbai, Kandla, Chennai, Visakhapatnam, Kolkata, Fujairah

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2. Composition / Information on ingredients

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| Name of Substance | Cas Number |
|-----------------------------|-------------|
| Citric Acid | 77-9-29 |
| sodium xylenesulfonate | 1300-72-7 |
| Synergistic Microorganisms. | Proprietary |

3. Hazards Identification

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|---------------------------------------|--------------------------------|
| Signal Word | Not Applicable |
| Hazard Statements | This Product is not Hazardous. |
| Precautionary statements - prevention | This Product is not Hazardous. |
| Precautionary statements - response | This Product is not Hazardous. |

4. First Aid Measures

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| Eye Contact | Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention. |
| SkinContact | Flush skin with water after contact. Wash contaminated clothing before reuse. |
| Inhalation: | If inhaled, If inhaled, remove to fresh air. If not breathing, provide artificial respiration. If breathing is difficult, give oxygen. Call a physician. |
| Ingestion: | Immediately give a glass of water. First aid is not generally required. If in doubt, contact a physician. |
| Notes to Physicians | Activated charcoal mixture may be administered. To prepare, mix 15 grams activated charcoal in 400-ml water and mix thoroughly. Administer 50 grams activated charcoal in 400-ml water and mix thoroughly. Repeat every 4-6 hours for an average adult. Because of the danger of aspiration, do not induce vomiting. |

employed unless the risk is justified by the presence of
charcoal may induce vomiting, but may be given after e
Steroid therapy in mild to moderate cases does not imp
occurs after exposure, but prophylactic antibiotics are
documented bacterial pneumonia.

5. Fire-fighting Measures

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| Flammability | Flammable. |
| Flash Point | 60°C |
| Suitable extinguishing media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water Spray Chemical, CO2. |
| Protective Equipment | Use personal protective equipment. |
| Advice for firefighters | Wear self-contained breathing apparatus. Wear full protective equipment. |

6. Accidental Release Measures

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| Small Spillage | Soak up with sawdust, sand, oil dry or other absorbent material. |
| Personal Protection | Remove persons to safety. Wear breathing apparatus if exposed to vapours/dust/spray/gases. |
| Environmental Precaution | Keep away from drains, surface and ground water. Retain contaminated washing water and dispose it. |
| Methods and materials for containment and cleaning | Before proceeding with clean up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up. Soak up sand, oil dry or other absorbent material. Remove source of heat, sparks, flame, impact, friction, or electricity. Dis material from entering sewers, waterways, or low areas. Spills are very slippery and should be cleaned up promptly |

7. Handling and Storage

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| Handling | Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling. Keep away sparks and flames. |
| Storage | Store in a well-ventilated place. Keep container tightly closed. Store in accordance with National Fire Protection Association recommendations. |
| Advice on general occupational hygiene | Wash hands after use. Do not to eat, drink and smoke in work areas. Remove contaminated clothing and protective eq entering eating areas. |

8. Exposure controls and personal protection

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| Engineering Controls: | Use only with adequate ventilation. Keep container tightly closed. |
| Personal Protection | Eye/Face Protection : Wear coverall chemical splash goggles or safety glasses. Respirators : Where there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved protection. Protective Clothing Where there is potential for skin contact have available and wear as appropriate Imp apron, pants, hood and jacket. |
| Exposure Limits: | <p>Heavy Aromatic Naphtha: PEL (OSHA)None established TLV (ACGIH)None established AEL* (Innospec Fuel Specialties)50 ppm, 300 mg/m3, 8 hr, TWA</p> <p>Naphthalene: PEL (OSHA).....10 ppm, 50 mg/m3, 8 hr. TWA TLV (ACGIH).....10 ppm, 52 mg/m3, 8 hr TWA, Skin; A4 STEL 15 ppm, 79 mg/m3, A4 AEL* (Innospec Fuel Specialties)None established</p> <p>1,2,4-trimethyl benzene : PEL (OSHA)140 mg/m3, 8 hr. TWA TLV (ACGIH)None established AEL* (Innospec Fuel Specialties)20 ppm, 8 hr, TWA</p> <p>2-ethylhexanoic acid PEL (OSHA)25 ppm, skin TLV (ACGIH)20 ppm, 8 hr TWA, A3 AEL* (Innospec Fuel Specialties)None established</p> |
| Other Protection Measure | Theskin notation following the exposure guideline refers to the potential for dermal absorption of the material. It is intended to alert the reader that inhalation may not be the only route of exposure and thatmeasures to m exposure should be considered. |



Gloves Suit

9. Physical and chemical properties

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| Form | Liquid |
| Colour | Clear, dark, brown |
| Odour | Not Available |
| Boiling point and boiling range | 168°C-195°C |
| Freezing Point | Not Available |
| Specific Gravity (20 °C) | 0.900 @ 60/60°F (15.6/15.6°C) |
| pH | Not Applicable |
| Density | 7.49 @ 60°F (15.6°C) |
| Solubility in Water | Soluble |
| Viscosity | (cSt) 3.82 |
| Explosive properties | Not Available |
| Vapour density | Not Available |

10. Stability and reactivity

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| Reactivity | None |
| Stability | Stable at normal temperatures and storage conditions. |
| Possibility of hazardous reactions | No known hazardous reactions. |
| Incompatible materials | None reasonably foreseeable. |
| Hazardous combustion products | Decomposes with heat. Hazardous decomposition products include oxides of carbon and nitrogen. |
| Polymerization | Will not occur. |

11. Toxicological information

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| Heavy Aromatic Naphtha: | Inhalation 6 hour LC50..... >11.67 mg/L in rats Skin Absorption LD50 >3,160 mg/kg in rabbits Oral LD50..... >5,000 mg/kg in rats. |
| Naphthalene: | Inhalation 15 minute LC50:>0.34 mg/L in rats Skin Absorption LD50: 10,000 mg/kg in rabbits Oral LD50:..... 1,780 mg/kg in rats |
| 1,2,4-trimethyl benzene | Inhalation 4 hour LC50.....6,700 ppm in rats Skin absorption LD50.....4,320 mg/kg in rabbits Oral ALD 4,500 mg/kg in rats |
| 2-ethylhexanoic acid : | Inhalation 4 hour LC50.....4,000 ppm in rats Skin Absorption LD50 2,335 mg/kg in rabbits Oral LD50..... 2,920 mg/kg in rats |
| Other information | Heavy Aromatic Naphtha is a severe skin irritant, and is an eye irritant, but is not a skin sensitizer in animals. Repeated exposures caused reduced growth rate, respiratory tract irritation, congestion in liver and spleen, changes in blood tests and other disturbances. No animal test reports are available to define carcinogenic, mutagenic, developmental or reproductive hazards. Chronic overexposure to 2-ethylhexanoic acid has been suggested as a cause of the following effects in laboratory animals: aggravate pre-existing disorders of these organs in humans: liver, abnormalities, kidney damage, lung damage, cardiac blood abnormalities and spleen damage. This component has produced liver and kidney effects in laboratory animals. It also produced developmental effects in oral studies in laboratory animals including teratogenicity at maternally. |

12. Ecological information

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| Toxicity | Naphthalene : 96 hour LC50 fathead minnow: 27-42 mg/L Naphtha : 96 hour LC50, fathead minnows: 4.2 - 20.8 mg/L |
| Process of degradability | Causes severe skin irritation and eye damage. |

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| Bioaccumulative potential | Causes serious eye damage. |
| Mobility in soil | Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant. |

13. Disposal considerations

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Remarks

Please consider the relevant national or regional provisions and categories that can be handled separately by the local or national authorities.

Waste Disposal

Waste should be disposed of in accordance with local rules and regulations.

14. Transport information

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UN Number

NA

Proper shipping name

Combustible Liquid

Special Information

Flash Point: 60.1°C

DOT Labs

Combustible Liquid

Packing group

III

Marine Pollutant

No

International Maritime Dangerous Goods Code (IMDG) : Not Regulated

15. Regulatory information

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TSCA Inventory Status

Reported / Included

Title III Hazard Classifications
Sections 311, 312

Acute Yes
Chronic Yes
Fire Yes
Reactivity No
Pressure No

Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance.

16. Other information

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Other Information

The information above is believed to be accurate and available to us. However, we make no warranty of accuracy, implied, with respect to such information, and we advise you should make their own investigations to determine the suitability for particular purposes. In no event shall we be liable for any damages, for lost profits or any special, indirect, incidental, or consequential damages arising, even if **Rx Marine International** has been advised in writing.

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