# Material Safety Data Sheet

**Antifoam Defoamer AF10** (RXSOL-51-2066-220)

## 1. Product and Company Identifaction

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|---|---|
| Porduct Name | Antifoam Defoamer AF10 |
| Part Number | RXSOL-51-2066-220 |

Company Details:

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

Branch : Kandla, Mumbai , Chennai, Vizag, Kolkata, UAE , OMAN , CANADA and KENYA

| | |
|---|---|
| Phone | +91 22 20871200 - 1400 |
| Fax | +91 22 27612100 :::AOH :0091 9821214367 |
| Email | mail@rxmarine.com |
| Website | www.rxmraine.com |


## 2. Composition / informationon ingredients

| Chemical Name | Cas No | Whight |
|---|---|---|
| ISOPROPYL ALCOHOL (SARA III) | 67-63-0 | 10 - 20 % |
| POLYETHYLENE GLYCOL | 9005-07-6 | 20 - 30% |
| PROPYLENE GLYCOL,MONO(OLEIC ACID)ESTER | 1330-80-9 | 10 - 20 % |

## 3. Hazards Identification

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| Physical | Warning |
| Health hazards | Unclassified |
| Environmental hazards | Unclassified |
| Signal Word | Warning |
| Hazard statement | H226 Flammable liquid and vapour |
| Precautionary Statement | P210 Keep away from heat/sparks/flames/hot surfaces - no smoking. P233 Keep container tightly closed.<br>P280 Wear protective gloves/protective clothing/eye protection/face protection.<br>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.<br>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.<br>P403+P235 Store in a well-ventilated place. Keep cool. |

## 4. First Aid Measures

**Description of first aid steps**

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| Inhalation | Move the victim to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if discomfort persists. |
| Ingestion | Do not induce vomiting. If vomiting occurs, the head should be lowered so that vomit does not enter the lungs. Rinse the mouth thoroughly with water. Never give anything by mouth to an unconscious person. Get medical help if discomfort persists. |
| Skin Contact | Remove contaminated clothing immediately. Rinse immediately with plenty of water. Continue rinsing for at least 15 minutes. Get medical help if irritation persists after washing. |
| Eye Contact | Rinse immediately with plenty of water. Remove contact lenses and hold eyelids wide open. Continue rinsing for at least 15 minutes. Get medical help right away if symptoms persist after rinsing. |

**The most important symptoms and effects, both acute and delayed**

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| Inhalation | Vapors may cause drowsiness or dizziness. |
| Ingestion | May cause stomach upset or vomiting. May cause nausea, headache, dizziness and motion sickness. |
| Skin Contact | No specific symptoms are known. Prolonged skin contact may cause redness and irritation. |
| Eye Contact | Irritating to eyes. Symptoms of overexposure may include the following: Redness. Pain. |

**Indications of first aid and special treatment required**

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| Notes for doctors | Treat according to symptoms. |

## 5. Fire-fighting Measures

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| Suitable extinguishing media | Extinguish with the following media: Water spray, fog. Foam, carbon dioxide or powder . dry. |
| Special hazards arising from the substance or mixture | **Specific hazards :** Vapors can be ignited by sparks, hot surfaces or embers. Packaging can rupture or explode<br>when heated, due to excessive pressure building up inside the packaging.<br>**Risk of product combustion :** Carbon oxides. Thermal degradation or combustion may release carbon dioxide and other toxic gases or vapors. |
| Advice for firefighters | **Special protective equipment for firefighters :**<br>Leave the danger zone immediately. Put on positive pressure breathing apparatus (SCBA) and appropriate protective clothing. |

## 6. Accidental Release Measures

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| Personal precautions | Follow the precautions for safe handling as described in the safety data sheet. For personal protection, see section 8. |
| Precautions to protect the environment | Avoid release into the environment. To prevent release, place the packaging with the damaged side up. |
| Methods and materials for storage and cleaning | Avoid spillage entering drains, sewers or rivers. Absorb in vermiculite, dry sand or soil and place in container. Contain spillage for reclamation or disposal in closed containers through a licensed waste contractor. Spill containers must be properly labeled and have hazard symbols appropriate to their contents. |
| Reference to other sections | For disposal see section 13. |

## 7. Handling and Storage

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| Precautions for use | Avoid spills. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid breathing vapors. Use appropriate respirator if air pollution is above exposure limits. |
| Precautions for storage | Store in tightly closed, original containers in a dry, cool, well-ventilated place. Store at a temperature not exceeding 50°C/122°F. Protect from freezing and direct sunlight. If frozen: once thawed, vigorously agitate container to ensure a homogeneous product. Store away from the following materials; alkalis, acids, cyanides, reducing agents, oxidizing materials and aluminum. Do not use containers made of carbon steel. Keep separate from food, feed, fertilizers and other sensitive materials |
| Storage class | Storage of flammable liquids. |
| Certain end uses | Uses for this product are detailed in Section 1. |

## 8. Exposure controls and personal protection

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| Ingredient content review | 8 hour exposure: 500 mg/m3 (sk) (isopropanol). Short term exposure : 625 mg/m3 (sk) (isopropanol) Not required |
| Proper engineering control | All handling should be done in a well-ventilated area |
| Eye/face protection | The following protection should be worn: Chemical splash goggles. |
| Hand protector | Wear protective gloves made of the following materials: Neoprene. Nitrile rubber. Polyethylene. Polyvinyl chloride (PVC). Note that liquids can penetrate gloves. Frequent replacement is recommended. |
| Skin and other body protection | Wear suitable clothing to prevent repeated or prolonged contact with skin. Wear an apron or protective clothing if contact is possible. |

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| Hygienic measures | No specific cleaning procedures are recommended but good personal hygiene practices should always be observed when working with chemical products. Clean contaminated clothing before reuse. |
| Respiratory protection | No specific recommendations. Respiratory protection should be used if airborne contamination exceeds recommended threshold levels. |
| Environmental exposure control | Keep the packaging tightly closed when not in use. |

## 9. Physical and chemical properties

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| Physical state | Fluid |
| Colour | Light yellow |
| Smell | A little |
| Odor threshold | Not available |
| pH | Not available |
| Melting Point | Not available |
| Initial boiling point and range | 80 (Isopropanol) @°C @ 760 mm Hg |
| Flash Point | 30°C PMCC (Pensky-Martens closed cup). |
| Evaporation rate | Not available |
| Upper/lower flammability or explosive limits | Not available |
| Autoignition temperature | 399 (Isopropanol)°C |
| Decomposition temperature | Not available |
| Vapour pressure | Not available |
| Specific gravity of steam | Not available |
| Relative specific gravity | 0.95 - 1.00 @ @ 20°C |
| Solubility | Slightly soluble in water. |
| Partition coefficient | Pow log: 3 |
| Viscosity | 200 cSt @ 20°C |
| Oxidizing properties | Does not meet the criteria to be classified as an oxidizer. |
| Other information | Not available. |

## 10. Stability and reactivity

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| Reactivity | There is no reactivity hazard from this product. |
| Stability | Stable at normal room temperature and when used as recommended. |
| Possible reactions dangerous | Will not polymerize. |
| Conditions to avoid | Avoid heat, fire and other sources of ignition. |
| Ingredients to avoid | Strong oxidizing agent. |
| Hazardous of product decomposition | Toxic gases/vapors/fumes from: Carbon dioxide (CO2). Carbon monoxide (CO) |

## 11. Toxicological information

**Information on toxicological effects**

**Supplemental Toxicological**

**Information**

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|---|---|
| Inhalation | May cause respiratory system irritation. |
| Ingestion | May cause discomfort if swallowed. May cause stomach upset or vomiting. |
| Skin contact | Non Irritant. Not a Skin Sensitizer |
| Eye contact | Irritating to eyes. |
| Acute and chronic health hazards | There are no known specific health risks. |

**ETHYLENE OXIDE PROPYLENE OXIDE BLOCK COPOLYMER**

| | | |
|---|---|---|
| Acute toxicity - mouth | Acute oral toxicity (LD?? mg/kg)<br>Species | 2,000.0<br>Mouse |
| Acute toxicity - skin | Acute dermal toxicity (LD?? mg/kg)<br>Species | 2,000.0<br>Rabbit |
| Inhalation | May cause respiratory system irritation. | |
| Ingestion | May cause discomfort if swallowed. | |
| Skin contact | Liquid may cause skin irritation. | |
| Eye contact | Steam or spray in the eyes may cause irritation and stinging. | |

## 12. Ecological information

**ETHYLENE OXIDE PROPYLENE OXIDE BLOCK COPOLYMER**

| | |
|---|---|
| Ecotoxicity | The product components are not classified as environmentally hazardous. However, large or frequent spills may have harmful effects on the environment. |
| Toxicity | Not considered toxic to fish. |
| Acute toxicity - fish | LC50, 96 hours: 203 mg/l, Mykiss Onchorhynchus (Rainbow trout)<br>LC??, 96 hours: 203 mg/l, Fish |
| Persistence and decomposition | This product is expected to decompose slowly. Data supporting this statement are held by the appropriate waste disposal authorities and can be provided upon direct request, or upon request from the detergent manufacturer. |
| Oxygen requirement chemical | 1.910 g O?/g substance |
| Potential for biological accumulation | The product does not contain any bioaccumulative substances. |
| Partition coefficient | Pow log: 3 |
| Potential for accumulation biological | The product does not contain any bioaccumulative substances. |
| Mobility | This product is partially soluble in water and may spread in the aquatic environment. |
| Mobility | Product is not miscible with water. May spread in water systems. |
| Other adverse effects | Not available. |

## 13. Disposal considerations

**Waste processing methods**

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| General information | Waste is classified as hazardous waste. Dispose of waste to a licensed disposal site in accordance with local government requirements. |
| Disposal method | Liquid material should be incinerated. Material onto absorbed sand or earth should be disposed of as solid waste in accordance with local regulations. Empty packaging may contain product residues and due consideration should be given prior to disposal. |

## 14. Transport information

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|---|---|---|---|
| UN number | ADR/RID:1993<br>1993 | IMDG:1993 | IATA: |
| UN proper shipping name | ADR/RID:FLAMMABLE LIQUIDS, NOS, (Contains isopropanol) | IMDG:FLAMMABLE LIQUIDS, NOS, (Contains isopropanol) | IATA:FLAMMABLE LIQUIDS, NOS, (Contains isopropanol) |
| Transport hazard class(es) | ADR/RID: 3 | IMDG: 3 | IATA:3 |
| Packaging group | ADR/RID: III | IMDG: III | IATA : III |
| Environmental hazards | ADR/RID: No<br>No | IMDG: No | IATA: |
| Special precautions for user | EmS FE, SE<br>Classification Code (Adr) F1 | | |

## 15. Regulatory information

**Inventory**

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| EU (EINECS/ELINCS) | All ingredients are listed or excluded. |
| Canada (DSL/NDSL) | All ingredients are listed or excluded. |
| United States (TSCA) | All ingredients are listed or excluded. |
| United States (TSCA) 12(b) | None of the ingredients are listed. |
| Australia (AICS) | All ingredients are listed or excluded. |
| Japan (MITI) | All ingredients are listed or excluded. |
| Korea (KECI) | All ingredients are listed or excluded. |
| China (IECSC) | All ingredients are listed or excluded. |
| Philippines (PICCS) | All ingredients are listed or excluded. |
| New Zealand (NZIOC) | All ingredients are listed or excluded. |

## 16. Other information

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| Other Information | The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and weassume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages. |