# Material Safety Data Sheet

**HCF Remover Neutral** (RXSOL-20-2007-020)

## 1. Product and Company Identifaction

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|---|---|
| Product Name | **RXSOL-20-2007-020** |
| Product Type | HCF REMOVER |

**Company Details:**

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

| | |
|---|---|
| Phone | +91 22 65113333 / 5555 / 9999 / 27611360 |
| Fax | +91 22 2781 1318 :::AOH :0091 9821214367 |
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## 2. Composition / informationon ingredients

* Chemical characterization
* Description: Mixture of the substances listed below with harmless additions.
* Dangerous components:
CAS : 111-76-2 2-butoxyethanol Xn; R 20/21/22-36/38 5-10%
EINECS : 203-905-0
Alco Xi; R 38 7.0%
CAS : 112-34-5 2-(2-butoxyethoxy)ethanol Xi; R 36 2.5-5%
EINECS : 203-961-6

***See Section 16**

## 3. Hazards Identification

Chemical characterization

| | |
|---|---|
| Description | Mixture of substances listed below with nonhazardous additions. Cleansing agent |
| Dangerous components | non-ionic surfactants Xn, Xi; R 22-41 10-25 % CAS: 111-76-2 |
| Einecs | 203-905-0 2-butoxyethanol Xn, Xi; R 20/21/22-36/38 2.5-10% |

## 4. First Aid Measures

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| General Information | Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident. |
| After inhalation | Supply fresh air; consult doctor in case of complaints. |
| After skin contact | Generally the product does not irritate the skin. |
| After eye contact | Rinse opened eye for several minutes under running water. Then consult a doctor. |

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| After swallowing | Call for a doctor immediately |

## 5. Fire-fighting Measures

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| Suitable extinguishing agents | CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. |
| Protective equipment | No special measures required. |

## 6. Accidental Release Measures

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| Person-related safety precautions | Wear protective clothing. |
| Measures for environmental protectio | Dilute with plenty of water. |
| | Do not allow to enter sewers/ surface or ground water. |
| Measures for cleaning/collecting | Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).Dispose contaminated material as waste according to item 13.Ensure adequate ventilation.Dispose Of The Material Collected According To Regulations. |

## 7. Handling and Storage

Handling

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| Information for safe handling | Store in cool, dry place in tightly closed receptacles..Prevent formation of aerosols. |
| Information about fire- and explosion protection | No special measures required. |

Storage

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| Requirements to be met by storerooms and receptacles | No special requirements. |
| Information about storage in one common storage facility | Not required. |
| Further information about storage conditions | None. |

## 8. Exposure controls and personal protection

Additional information about design of technical facilities: No further data; see item 7.
• Ingredients with limit values that require monitoring at the workplace:
111-76-2 2-butoxyethanol
WEL Short-term value: 50 ppm
Long-term value : 25 ppm
• Additional information : The lists valid during the making were used as basis.
• Personal protective equipment:
• General protective and hygienic measures: Keep away from foodstuffs, beverages and feed.
• Respiratory protection : Not required.
• Protection of hands : Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
• Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
• Penetration time of glove material
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
• Eye protection : Safety glasses
• Body protection : Protective work clothing




## 9. Physical and chemical properties

**General Information**

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| Form | Fluid |
| Colour | Yellowise / Clear |
| Odour | Characteristic |
| • Change in condition | |
| Melting point/Melting range | Undetermined. |
| Boiling point/Boiling range | 171°C |
| • Ignition temperature | 240°C |
| • Self-igniting | Product is not selfigniting. |
| • Danger of explosion | Product does not present an explosion hazard. |
| • Explosion limits | |
| Lower | 1.1 Vol % |
| Upper | 10.6 Vol % |
| • Vapour pressure at 20°C | 23 hPa |
| • Density at 20°C | 1.01 g/cm³ |

| | |
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| • Solubility in / Miscibility with | |
| water | Fully miscible. |
| • pH-value at 20°C | > 7 |

## 10. Stability and reactivity

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| Thermal decomposition / conditions to be avoided | No decomposition if used according to specifications.- |
| Dangerous reactions No dangerous reactions known. | |
| Dangerous decomposition products | Carbon monoxide and carbon dioxide. |

## 11. Toxicological information

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| Acute toxicity | Primary irritant effect: |
| on the skin | No irritant effect. |
| on the eye | No irritating effect. |
| Sensitization | No sensitizing effects known. |
| Additional toxicological information | The product shows the following dangers according to the calculation method of the General EU |
| Classification Guidelines for Preparations as issued in the latest version | Harmful |

## 12. Ecological information

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| General notes | Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.Do not allow product to reach ground water, water course or sewage system..Danger to drinking water if even small quantities leak into the ground. |

## 13. Disposal considerations

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| Product Recommendation | Must not be disposed together with household garbage. Do not allow product to reach sewage system. |
| Uncleaned packaging Recommendation | Disposal must be made according to official regulations. |
| Recommended cleansing agents | Water, if necessary together with cleansing agents. |

## 14. Transport information

• Land transport ADR/RID (cross-border)
• ADR/RID class : -
• Maritime transport IMDG:
• IMDG Class : -
• Marine pollutant : No
• Air transport ICAO -TI and IATA-DGR :
• ICAO/IATA Class : -

## 15. Regulatory information

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|---|---|
| Labelling according to EU guidelines | The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials. |
| Code letter and hazard designation of product | Xn Harmful |
| Risk phrases | 22 Harmful if swallowed. |
| Safety phrases | 23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer). 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. 36/37/39 Wear suitable protective clothing, gloves and eye/face protection. 60 This material and its container must be disposed of as hazardous waste. |
| National regulations | |
| Waterhazard class | Water hazard class 2 (Self-assessment): hazardous for water. |

## 16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. • Relevant R-phrases. 20/21/22 Harmful by inhalation, in contact with skin and if swallowed..22 .Harmful if swallowed. 36/38 Irritating to eyes and skin. 41 Risk of serious damage to eyes.

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