

# Material Safety Data Sheet

HCF Cleaner (RXSOL-20-2007-025)



## 1. Product and Company Identification

Product Name **RXSOL-20-2007-025**  
Product Type **HCF REMOVER-II**

### Company Details:

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

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## 2. Composition / information on 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

**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.

After swallowing                      Call for a doctor immediately

## 5. Fire-fighting Measures

**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

**Person-related safety precautions**                Wear protective clothing.

**Measures for environmental protection**                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

**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

**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

|                                    |                                               |
|------------------------------------|-----------------------------------------------|
| 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/cm <sup>3</sup>                        |
| • Solubility in / Miscibility with |                                               |
| water                              | Fully miscible.                               |
| • pH-value at 20°C                 | > 7                                           |

## 10. Stability and reactivity

**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

**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

**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

**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

**Labelling according to EU guidelines** The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

|                                                      |                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Code letter and hazard designation of product</b> | Xn Harmful                                                                                                                                                                                                                                                                                                                                                  |
| <b>Risk phrases</b>                                  | 22 Harmful if swallowed.                                                                                                                                                                                                                                                                                                                                    |
| <b>Safety phrases</b>                                | 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. |
| <b>National regulations</b>                          |                                                                                                                                                                                                                                                                                                                                                             |
| <b>Waterhazard class</b>                             | 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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