

Material Safety Data Sheet

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



1. Product and Company Identification

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

Email mail@rxmarine.com

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 through 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 ³

- 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.
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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