

## 1. Product and Company Identification

www.rxmarine.com

Product Name : RXSOL-20-2013-210  
Product Type : HCF REMOVER HD-II

### 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](mailto:mail@rxmarine.com)

## 2. Composition / Information on ingredients

www.rxmarine.com

\* 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

CAS : 112-34-5 2-(2-butoxyethoxy)ethanol Xi; R 36 2.5-5%

EINECS : 203-961-6

\*See Section 16

## 3. Hazards Identification

www.rxmarine.com

### Chemical characterization

Description

Mixture of substances listed below with nonhazardous additions. Cleansing agent

	Symbols	R Phrases*	Concentration	CAS Number
Dangerous components				
non-ionic surfactants	Xn, Xi;	R 22-41	10-25 %	111-76-2
EINECS				
2-butoxyethanol	Xn, Xi;	R 20/21/22-36/38	2.5-10%	203-905-0

## 4. First Aid Measures

www.rxmarine.com

General Information

Immediately remove any clothing soiled by the product. Symptoms even occur after several hours; therefore medical observation for at least 24 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

www.rxmarine.com

Suitable extinguishing agents

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or foam.

Protective equipment

No special measures required.

## 6. Accidental Release Measures

[www.rxmarine.com](http://www.rxmarine.com)

Person-related safety precautions

Wear protective clothing.

Measures for environmental protection

Dilute with plenty of water.

Measures for cleaning/collecting

Do not allow to enter sewers/ surface or ground water.

Absorb with liquid-binding material (sand, diatomite, acid 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

[www.rxmarine.com](http://www.rxmarine.com)

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

[www.rxmarine.com](http://www.rxmarine.com)

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

[www.rxmarine.com](http://www.rxmarine.com)

### ☑ General Information

Form : Fluid

Colour : Yellowish / 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

[www.rxmarine.com](http://www.rxmarine.com)

Thermal decomposition / conditions to be avoided  
 Dangerous reactions No dangerous reactions known.  
 Dangerous decomposition products

No decomposition if used according to specifications.-

Carbon monoxide and carbon dioxide.

## 11. Toxicological information

[www.rxmarine.com](http://www.rxmarine.com)

Acute toxicity  
 on the skin  
 on the eye  
 Sensitization  
 Additional toxicological information

Primary irritant effect:

No irritant effect.

No irritating effect.

No sensitizing effects known.

Classification Guidelines for Preparations as issued in the latest version

The product shows the following dangers according to the calculation  
 General EU

Harmful

## 12. Ecological information

[www.rxmarine.com](http://www.rxmarine.com)

General notes

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

## 13. Disposal considerations

[www.rxmarine.com](http://www.rxmarine.com)

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

[www.rxmarine.com](http://www.rxmarine.com)

☒ 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

www.rxmarine.com

Labelling according to EU guidelines

Code letter and hazard designation of product

Risk phrases

Safety phrases

National regulations

Waterhazard class

The product has been classified and marked in accordance with Ordinance on Hazardous Materials.

Xn Harmful

22 Harmful if swallowed.

23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be used 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. 60 This material and its container must be disposed of as hazardous waste.

Water hazard class 2 (Self-assessment): hazardous for water.

## 16. Other information

www.rxmarine.com

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.

**DISCLAIMER OF LIABILITY** :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.