

1. Product and Company Identification

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Product Name : RXSOL-20-2013-025
Product Type : HCF REMOVER HD-I

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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* 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

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Chemical characterization

Description

Dangerous components

EINECS

Mixture of substances listed below with nonhazardous additions. Clea
non-ionic surfactants Xn, Xi; R 22-41 10-25 % CAS: 111-76-2
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

After inhalation

After skin contact

After eye contact

After swallowing

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

6. Accidental Release Measures

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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

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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

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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

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☒ 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/cm³
- ☒ 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
 Dangerous reactions No dangerous reactions known.
 Dangerous decomposition products

No decomposition if used according to specifications.-

Carbon monoxide and carbon dioxide.

11. Toxicological information

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Acute toxicity
 on the skin
 on the eye
 Sensitization
 Additional toxicological information
 Classification Guidelines for Preparations as issued in the latest version

Primary irritant effect:
 No irritant effect.
 No irritating effect.
 No sensitizing effects known.
 The product shows the following dangers according to the calculation
 General EU
 Harmful

12. Ecological information

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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

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Product Recommendation
 Uncleaned packaging Recommendation
 Recommended cleansing agents

Must not be disposed together with household garbage. Do not allow
 sewage system.
 Disposal must be made according to official regulations.
 Water, if necessary together with cleansing agents.

14. Transport information

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- ☒ 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 the European Union 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 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. 41 Irritating to eyes. 501 Dispose of contents and container in accordance with local, national, and international regulations. 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

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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.

R 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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