

1. Product and Company Identification

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Product Name RXSOL-15-1679-005

Product Type RXSOL SPIRAL HD

Company Details:

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2. Composition / Information on ingredients

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Description: Mixture in water of non-dangerous ingredients and substances listed below

CAS : 1310 - 73 - 2 EINECS : 215 - 185 - 5	Sodium Hydroxide	C ; R 35	15 - 30%
CAS : 64 - 02 - 8 EINECS : 200 - 573 - 9	Ethylene Diamine tetra acetic acid sodium salt	XN ; R 22 - 36	5 - 15%

Additional information :The full text of the relevant risk phrases is given in section 16

3. Hazards Identification

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Hazards for man and the environment : R 35 Causes severe burns.

Classification system : The classification complies with current EC regulations on dangerous substances and preparations.

4. First Aid Measures

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General information :	Remove contaminated clothing immediately
Inhalation :	In case of unconsciousness bring patient into stable side position for transport.
Skin contact :	Wash skin immediately and thoroughly with water. Remove contaminated clothing. Obtain medical attention if symptoms develop
Eye contact :	Wash immediately with copious amounts of water and obtain medical attention
Ingestion :	Remove material from mouth. Drink one or two glasses of water or milk and obtain medical attention without delay

5. Fire-fighting Measures

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Suitable extinguishing media: CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

Protective equipment : No special measures required.

6. Accidental Release Measures

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Protection of personnel :

Wear suitable protective clothing, gloves and eye / face protection.

Environmental precautions: Dilute with plenty of water.

Method of disposal:

- Use neutralizing agent.
- Absorb onto dry sand or similar inert material.
- Dispose of the collected material according to the regulations.

7. Handling and Storage

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Handling (see also sections 8 and 15)

- Information for safe handling : Use common rules for working with chemicals.
- Information about protection against explosions and fires : No special measures required.

Storage :

- Requirements for storage rooms and containers : According to local legislation.
- Storage in one common storage facility : According to local legislation.
- Further information about storage conditions : None.

8. Exposure controls and personal protection

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Additional information about design of technical systems : No further data; see section 7.

Components with limit values that require monitoring at the workplace:

1310 - 73 -2 sodium hydroxide (15 - 30%)

OES (Great Britain)	Short-term value: 15 mg/m ³ , 6ppm
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Additional information :

The lists that were valid during the compilation were used as basis.

Personal Protection equipment :

General protective and hygienic measures :

- Keep away from foodstuffs, beverages and food.
- Take off immediately all contaminated clothing.
- Wash hands during breaks and at the end of work.
- Avoid contact with the eyes and skin.

Breathing equipment: Personal protection is not normally required.

Protection of hands: Rinse and dry hands after use. For prolonged contact protection of the skin may be necessary.

Eye protection: Tightly fitting safety glasses.

9. Physical and chemical properties

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Form:	Liquid
Colour:	Clear Brown
Odour:	Characteristics
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined
Flash point:	Not applicable
Spontaneous combustion:	Product is not self igniting
Danger of explosion:	Product is not explosive
Density at 25°C	1.2 - 1.3 g/cm ³
Solubility in / Miscibility with Water:	Fully miscible
pH-value (1% sol.) :	pH >12.0

10. Stability and reactivity

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Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Dangerous reactions: Reacts with acids.

Hazardous decomposition products: No dangerous decomposition products known.

11. Toxicological information

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Acute toxicity:

LD50 (oral) :Based on the toxicological classification the LD50 (oral) is estimated to be >2000 mg/kg.

Primary irritant effect:

skin contact: Causes irritation

eye contact: Causes irritation

inhalation:Causes irritation

ingestion:Causes irritation

Additional toxicological information:

EC classification :Irritant

12. Ecological information

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General notes:When used for its intended purpose this product should not cause adverse effects in the environment.

13. Disposal considerations

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Product:

Recommendation : Must not be disposed of together with domestic waste. Do not allow undiluted product to reach sewage system

European waste catalogue

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Uncleaned packagings:

Recommendation: Dispose of observing official regulations

Recommended cleaning agent : Water, if necessary with cleaning agent

14. Transport information

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Land transport ADR/RID (cross-border)

ADR/RID Class: -

- ADR/RID Class: 8 Corrosive substances
- Kemler Number: 80
- UN-Number:1824
- Packaging Group:II
- Label 8
- Proper Shipping Name: SODIUM HYDROXIDE SOLUTION

Maritime transport IMDG :

- ADR/RID Class: 8 Corrosive substances
- Kemler Number: 80
- UN-Number:1824
- Packaging Group:II
- Label 8
- Proper Shipping Name: SODIUM HYDROXIDE SOLUTION
- EMS Number : F-A, S-B

Air transport ICAO-TI and IATA-DGR :

- ICAO / IATA Class: 8
- UN-Number:1824
- Label :8
- Packaging Group:II
- Proper Shipping Name:SODIUM HYDROXIDE SOLUTION

Transport / Additional Information : Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.

15. Regulatory information

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Classification according to EC guidelines : The product has been classified and labeled in accordance with current EC Directives

Symbol and hazard designation of product: Xi Irritant

Risk phrases:

C Corrosive

Ingredients responsible for the classification:sodium hydroxide

Risk phrases:35 Causes severe burns.

Safety phrases:

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

39 Wear eye/face protection

Further indications on the label :

Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.

16. Other information

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The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract

Text of risk phrases associated with ingredients listed in section 2 :

- 22 Harmful if swallowed
- 36 Irritating to eyes

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- 35 Causes severe burns.
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