Material Safety Data Sheet

RXSOL SPIRAL HD (RXSOL-15-1679-005)

1. Product and Company Identifaction

Product Name	RXSOL-15-1679-005
Product Type	RXSOL SPIRAL HD

Company Details:

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

Phone	+91 22 65113333 / 5555 / 9999
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2. Composition / informationon ingredients

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

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

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

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

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

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

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/m3, 6ppm

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

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/cm3
Solubility in / Miscibility with Water:	Fully miscible
pH-value (1% sol.) :	pH >12.0

10. Stability and reactivity

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

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

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

13. Disposal considerations

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

European waste catalogue

20 01 15	alkalines

Uncleaned packagings:
Recommendation: Dispose of observing official regulations
Recommended cleaning agent : Water, if necessary with cleaning agent

14. Transport information

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

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

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
- 35 Causes severe burns.