

Material Safety Data Sheet

KT - SOL PLUS Heavy Duty (RXSOL-20-3201-210)



1. Product and Company Identification

Product Name RXSOL-20-3201-210
Product Type KT - SOL PLUS Heavy Duty 210 Ltr

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / information on ingredients

SURFACTANT (ANIONIC & NON-IONIC) , LAB , Potassium hydroxide Strong alkaline cleaner Declaration according recommendation 89/542/EEG.. chelating agents, meta silicate and additives (biodegradable > 90%)

*See Section 16

3. Hazards Identification



Corrosive

Environmental Hazards None

Human Health Hazards Moderates

R 35:Causes skin burning effects

4. First Aid Measures

Inhalation Harmful,. supply or remove to fresh air and seek medical advice attention.

Skin Contact Rinse with running water and soap. Skin care. Remove contaminated clothes.

Eye Contact Flush with running water for at least 15 minutes Immediately .

Ingestion

Vomiting is dangerous , seek medical attention.

5. Fire-fighting Measures

Non Combustible Product

Suitable N.A. can use foam dry Co2 , water-spray.

Not suitable Not applicable

Special Not applicable

Protection of fire Fighter Not applicable

Special protective equipment for fire-fighters: Wear protective equipment.

6. Accidental Release Measures

Environmental Precaution Direct flow into drainage system, surface or ground water is prohibited.

Cleaning Method Flush Spill Area with Water and remove with liquid-absorbing material like foam sand,sawdust etc..

7. Handling and Storage

Condition to Avoid Non flammable but avoid direct heating

Materials to Avoid Do not subject to Acidic / Oxidizing Agents

Handling Keep Container Tightly Closed

Note: Eyewash facilities require at workplace The product causes corrosion on skin and mucous membranes. Note that In case of discharge of acidic or alkaline products into the sewerage system the pH must be in the range of 6-10 since higher or lower pH values may damage the sewerage system or impair biological dosage treatment plants. So that for maintaining pH we have to add acidic / basic medium neutraliser . For example if pH is less than 6 basic neutraliser is required and if pH is more than 10 acidic nature neutraliser is required. For details of any guideline pl. Visit our technical website www.rxmarine.com

•Dilute in water (always use plastic jar and RXSOL should be added to water never add water to RXSOL.)

8. Exposure controls and personal protection

Personal protection :

Respiratory System Protection Approved respirator must be worn when spraying

Eye Protection Wear eye protection (on possibility of contact)

Hand protection Wear PVC chemical resistance protective glove



Gloves

Suit

Goggles

No_Smoking

9. Physical and chemical properties

Product Properties:

Appearance	Pale clear liquid
Density	In g/cm3 at 20°C: Spec. gravity : 1.035
Compatibility	
Metal	No known effect
Rubber	No known effect
pH	Alkaline (12.7 - 13)
Flash point	Not Applicable
Solubility	100% soluble in water
Packaging	Size (in Litres)

10. Stability and reactivity

Hazardous Decomposition Products	Do not occur if stored and used as directed. n FIRE combustion CO, CO2 , NH3 , SOX etc hazardous gas produced
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NOTE : Avoid Contact With Acid

11. Toxicological information

Comment - Not applicable , Emulsifies in water

12. Ecological information

95 % added surfactants are biodegradable as per by international regulation .This material must be disposed with local national regulations.

13. Disposal considerations

As per guide line of local rules and regulation and before disposal and neutralization pl. refer 07 article.

14. Transport information

Proper Shipping Name

UN

Proper Shipping Name Sodium hydroxide, solution

UNNo. 1824

Hazard Class 8 PackingGroup II

Road/Rail(ADR/RID)

Proper Shipping Name Sodium hydroxide, solution

ADR UN No. 1824

ADR Hazard Class 8 Tremcard 80S1824

Sea(IMDG)

Proper Shipping Name Sodium hydroxide, solution

IMDG UN No. 1824

IMDG Hazard Class. 8 IMDG Pack Group. II

IMDG EmS F-A, S-A IMDG subrisk N/A

IMDG Labels 8 IMDG Flash point N/A

Air(ICA0/IATA)

Proper Shipping Name Sodium hydroxide, solution

ICA0 Un No. 1824

ICA0 Hazard Class 8 ICA0 Packing Group. II

ICA0 subrisk N/A ICA0 Labels 8, CAO

ICA0 Flashpoint N/A

DOT/ CFR (US Department of Transportation)

DOT Proper Shipping Name Sodium hydroxide, solution

Hazardous Material Sodium hydroxide

Hazard Class 8 Identification Number UN 1824

Product RQ (lbs)	3640	DOT subrisk	N/A
DOT Labels	8	DOTFlashpoint	N/A

15. Regulatory information

Classification and labelling according to Chemicals Hazard Information and Packaging Regulations (CHIP). Symbols of danger :- C Corrosive

R phrases	R 35 : Causes severe burns
S-phrases	S2: Keep out of reach of children S26 :In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 : After contact with skin, wash immediately with plenty of water. S37/39 : Wear suitable gloves and eye/face protection.

16. Other information

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our product from the point of view of safety requirements and is not intended to guarantee any particular properties

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