Material Safety Data Sheet

Alkaleen Heavy Duty Liquid (RXSOL-20-2015-050)

1. Product and Company Identifaction

Product Name	RXSOL-20-2015-210
Product Type	LAC Tank & Industrial cleaner

Company Details:
RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
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2. Composition / informationon ingredients

High Molecular SURFACTANT (ANIONIC & NON-IONIC) , LAB derivative , Sodium hydroxide Strong alkaline cleaner Declaration according recommendation 89/542/EEG..

3. Hazards Identification

Environmental Hazards	None
Human Health Hazards	Moderates

R 35:Causes skin burning effects

4. First Aid Measures

Inhalatin	Move 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 Porduct

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

Enviromentel 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 Pl. 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 neutaliser . 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	Cear eye protection (on possibility of contact)
Hand protection	Cear PVC chemical resistance protective glove

9. Physical and chemical properties

Product Properties:

Appearance	Slight Yellow - clear liquid
Density	In g/cm3 at 20°C: 1.21
Compatibility	

Metal	No known effect
Rubber	No known effect
pH	Alkaline (13)
Flash point	Not Applicable
Solubility	100% soluble in water
Packaging	Size (in Litres)220 Ltrs

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

NOTE : Avoid Contact With Acid

11. Toxicological information

Comment - Not applicable , 100% Soluble 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	Alkaline Solution		
UNNo.	1824		
Hazard Class	8	PackingGroup	II

Road/Rail(ADR/RID)

Proper Shipping Name	Alkaline solution		
ADR UN No.	1824		
ADR Hazard Class	8	Tremcard	80S1824

Sea(IMDG)

Proper Shipping Name	Alkaline 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(ICAO/IATA)

Proper Shipping Name	Alkaline solution		
ICAO Un No.	1824		
ICAO Hazard Class	8	ICAO Packing Group.	II
ICAO subrisk	N/A	ICAO Labels	8, CAO
ICAO Flashpoint	N/A		

DOT/ CFR (US Department of Transportation)

DOT Proper Shipping Name	Alkaline 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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