Material Safety Data Sheet

Degreaser Dual strength Surfactant (RXSOL-10-1739-020)

1. Product and Company Identifaction

Product Name	RXSOL-10-1739-020
Product Type	Degreaser Dual strength Surfactant

Company Details:

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

Stock Point : Mumbai, Kandla, Kolkata, Chennai, Vizag, Fujairah, Muscat

Phone	+91 22 65113333 / 5555 / 9999 / 27611360
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	mail@rxmarine.com

2. Composition / informationon ingredients

Name EC No. CAS-No. Content Classification (67/548)
Chemical characterization : VERY POWERFULL Bio Degradable CLEANER MIXTURE
Description:
Mixture contains: Carrier liquid of PETRA (20 to 30%) Along with 2-BUTOXYETHANOL 203-905-0 111-76-2 10-30% Xn;R20/21/22 Xi;R36/38, Linear - Alkyl delivative Emulsifiable products ,Emulsifying agents ETHANEDIOL 203-473-3 107-21-1 10-30% Xn;R22 as surfactants, FattyAcid & alcohal derivative (biodegradable substance 85 to90%) and Ethoxylate FATTY ALCOHOL SURFACTANT Proprietary 30-60% Xn;R22. Xi;R41, FATTY ALCOHOL SURFACTANT #1 Proprietary 30-60% Xi;R38,R41, And with harmless addition.
*See Section 16

3. Hazards Identification



Irritant

Human Health R 36/38 : Causes Irritation / Inhalation may cause headache & dizziness . Keep away from food, children , animal .

4. First Aid Measures

Inhalation	Supply fresh air on irritation medical attention require & show this MSDS to physician.
Skin Contact	In case of contact with skin , wash immediately with plenty of water and soap Remove contaminated clothes. On extra irritation use ointement on Doctor advice.
Eye Contact	Flush with running water on open eyelids for at least 15 minutes, Immediately medical attention require.
Ingestion	Seek medical attention , don't try to drink more water / milk because too much water increase the danger of vomiting . (on vomiting always keep head low to prevent inhalation of airways)

Suitable	This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials. , Water , fog or mist, alcohol-resistant foam, on small fires dry chemical, carbon dioxide (CO2) also can used.
Not Suitable	Alcohol foam / and high pressure of water jet may cause splitting of excess materials.
Special	Container close to fire cooled immediately then remove to other place.

Precaution for fire-fighters Self contained breathing apparatus or apparatus should attached to air supply.

Note:Fired materilas vapours are heavier than air and may travel along the ground for.

6. Accidental Release Measures

Enviromental Precaution	Direct flow into drainage system, surface or ground water is prohibited
Cleaning Method	for preventing the spreading of materials remove spill mechanically or with absorbent materials and dispose of in accordance with section 13.Flush with large amounts of water to clean the area.Ventilate well. Personal: During usage of chemical personal should use all normal protective equipment and avoid contact with eye and skin and for use in close environment personnel should use respiratory breathing apparatus

7. Handling and Storage

Storage Ensure Adequate Ventilation

Condition to Avoid	Flammable but product is stable under normal condition , take precaution as industrial chemical .
Materials to Avoid	Do not subject directly to ALKALINE / Acidic medium.
Handling	Keep Container Tightly *Closed* in the original container and keep away from open flames / ignition sources.
Note	Eyewash facilities require at workplace

The product causes corrosion on skin and mucous membranes GENERALLY 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

Product Properties

Respiratory System Protection	Approved respirator must be worn when spraying otherwise normally not required
Eye Protection	If there is possibility to contact wear goggles for eye protection
Hand protection	Wear PVC chemical resistance protective gloves
Other Information	Smoking in store / work area is prohibited.

2-BUTOXYETHANOL WEL 25 ppm 50 ppm Sk
ETHANEDIOL WEL 10 mg/m3 104 mg/m3 Sk

WEL = Workplace Exposure Limit.
Sk = Can be absorbed through skin.
ENGINEERING MEASURES : Provide adequate general and local exhaust ventilation.
RESPIRATORY EQUIPMENT
No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.
HAND PROTECTION : Use protective gloves.
EYE PROTECTION : Wear approved safety goggles.
OTHER PROTECTION : Wear suitable protective clothing as protection against splashing or contamination.
HYGIENE MEASURES
When using do not eat, drink or smoke. Wash promptly with soap & water if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.

9. Physical and chemical properties

Appearance / odour	Clear yellowish liquid / Mild
Density	g/cm^3 at 15°C: 0.99
pH	Neutral
Flash Point	76 ºC
Boiling point	>NA
Ignition temp	>NA
SOLUBILITY	Emulsifiable with water / soluble in most solvents

10. Stability and reactivity

Avoid contact with acids and oxidising substances , Stable under normal condition on access of heat Vapour/gas may form explosive mixtures with air.Hazardous Decomposition Products: No decomposition if stored and used as directed. In FIRE combustion CO, CO2 , NH3 , SOX etc hazardous gas produced.Note : MATERIALS TO AVOID Hydrocarbons and their derivatives may attack certain types of plastic, rubber and pain

11. Toxicological information

Skin Irritation	Gives irritation may causes dryness. And prolonged contact with skin can cause degreasing effect.
Eye Irritat	Cause severe irritation
Sensitization	Sensitizing properties not known
ChronicToxicity	Not Identified
Carcinogencity	Not regulated. (prolonged inhalation of solvents may cause chronic solvent intoxication.

12. Ecological information

RXSOL-10-1741 emulsifies in water and degradable , DEGRADABILITY
The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

13. Disposal considerations

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

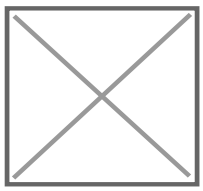
14. Transport information

Goods classified for road /rail /	Sea transport	YES with	UN-no	3082
Proper shipping name	Environmentally hazardous liquid	contains	(Alkyl (C3-C8) Benzenes)	
Hazard identification no	90 Product identification		(UN) no	3082
TREMCARD no.	CEFIC	90G01		
Marine pollutant	Yes			
Flash point	76 ºC			
Labelcolour	White./Black.			

Marine pollutant: No

Transport/Additional information

15. Regulatory information



Contains: Aromatic Hydrocarbons, Alkyl (C3-C8)

R	phrases
R	51/53 Toxic to aquatic organisms/may cause long term adverse effects in the Environment
R	52 Marine Pollutant
R	65 Harmful: May cause lung damage if swallowed
S	phrases
S	23 Do not breathe vapour
S	24 Avoid contact with skin
S	60 This material and its container must be disposed of as hazardous waste
S	61Avoid spillage to the environment. Ask for special instructions/safety Datasheet
S	62 If swallowed, do not induce vomiting; seek medical advice immediately

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

REFERENCES Classified according to European directive on classification of dangerous preparations 90/492/EEC and accordance with EU directive 88/379. .

16. Other information

on the basis of information and experience as well as our present knowledge this guidelines is only safe for handling, use, processing, storage, transport, disposal and discharge; this is not a guarantee or quality of specification. And combination with other products will lost the properties. It is always the responsibility of the user to take all necessary steps to ensure that information given here is read and understood by all who use, handle, dispose of or in any way come in contact with the product. It is not to be considered as a guarantee of the products properties. Disclaim: The information in this MSDS is meant as a description of the safety requirements of our product.

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