

Alkali Cleaner RXSOL ORG - 53 (RXSOL-22-2059-026)

MATERIAL SAFETY DATA SHEET • SALALAH CHEMICAL, OMAN

RXSOL - 20-2059-025 SUPER ALKA CLEAN EDA (EMULSIFIED DEGREASING ADDITIVE)

RXSOL ORG-6

(OIL & SLUDGE REMOVER)

Product Description:- RXSOL-20-2059-025 / 050 is an all purpose degreaser for cleaning of Oil and Sludge with emulsifiers. It is an excellent blend of powerful solvent base and emulsifying inorganic products .Specially designed for engine room and cargo tank cleaning .Main feature of RXSOL-20-2059-025 / 050 is, it finally dissociate slop emulsion to separate oil and water .This provide us with ability to dispose of waste solution as per MARPOL & IMO rules and regulation .

Dosage:- Dose rate and results will vary depending on amount of contamination . For light contamination dilution with water up to 1:20 is recommended, where as medium contamination dilute 1:10, And for heavy contamination neat RXSOL-20-2059-025 / 050 is suggested to use.

OPERATING CONDITIONS

	FERROUS	NON-FERROUS
Concentration	50-80 g/l	25-30 g/l
Temperature	65-80°C	65-80°C
Time	2-5 Mins.	2-5 Mins.

BATH MAKE UP

- Fill the tank approximately 2/3 rd of the tank with warm water.
- Add the required amount of RXSOL-20-2059-025 / 050 and stir till all the material is dissolved.
- Fill the tank to working level with water and heat to operating temperature.

MAINTENANCE

The concentration of the bath can be best determined by simple acid base titration using phenolphthalein as indicator.

Titrate 5ml of sample solution against 1N H2SO4. The concentration of the cleaner can

be known by the formula given below : Calculation : $\text{Conc.} = R \times N \times 15$ Where, R = Burette reading N = Normality of H2SO4.

Any grease that collects on the surface during operation should be removed in order to avoid resoiling of components during lifting out of the solution. The loss of water by evaporation has to be made up from time to time. If the solution acts slowly after some period of usage and some components are no longer sufficiently cleaned, the bath should be replaced with the new one.

EQUIPMENT

Plain steel tank is recommended. Heater made of steel or quartz can be used for heating purpose

CONTROL

The cleaner solution can easily and effectively be controlled by removing floating oil over the surface either manually or by means of circulating pump and an oil trap regularly. The concentration of the solution can be maintained by analysing the alkalinity of the solution by simple titration with standard acid using Phenolphthalein as an indicator.

Procedure of use :- RXSOL-20-2059-025 / 050 is recommended for local cleaning & degreasing of engine rooms, bilges & tank tops. It may be applied by brush, spray, immersion, soaking, or any other conventional means.RXSOL-20-2059-210 is used neat. Allow a residence time of at least 20- 45 minutes where possible, to ensure good penetration & emulsification. Finally wash the system with hot water & high pressure.The emulsion residue after cleaning must be allowed to separate in a holding tank for atleast 3-5 hours before passing through an oily water separator.

Tank Cleaning Sludge/ Lube Oils / Slope-Black Oil

1) Fill the tank with 1-35 litres per ton wash water.Best results are obtained when water is heated to a temperature between 65°C & 80°C then stripped constantly and transferred to a holding tank for separation.The time for this will vary depending on

amount of RXSOL-20-2059-025 / 050 used & nature of oil being cleaned. Generally, 12 hours should be sufficient before the water phase can be removed.

2) Direct Cleaning. Spray directly RXSOL-20-2059-025 / 050 on tank surfaces to be cleaned, left for at least 30 minutes. Finally wash with hydrogating (high pressure) machine. Hot water between 50°C & 80°C recommended.

Product Properties:-

Appearance	Clear (Raw material depended colour of the effectively will , however not be impaired .)	
Density	In g/cm ³ at 15°C: 1.21	
Flash Point	Non Flammable	
Compatibility		
Metal	No known effect	
Rubber	Do not use with natural rubber compounds	

RXSOL-16-1696-030 is an over all purposes cleaner for Ferrous and Non-ferrous metals and has wide range of applications. The cleaner has long service life with very good cleaning effect. It is alkaline in nature without Cyanide and any complexing agent and it removes grease, soil, weak scale layers and leaves the surface active and bright.

AREAS OF APPLICATION

- Prior to all kind of plating.
- Prior to Blackening and Phosphating.
- In a continuous Automatic strip, wire or coil cleaning purposes.

CAUTION

RXSOL-20-2059-025 / 050 is alkaline in nature and contact of the skin or eyes should be avoided.

NOTE :

The data set forth in this Bulletin is believed by Rx Marine International to be true, accurate and complete but is not guaranteed. Our sole warranty is as stated in our standard Terms and Conditions of Sale. We cannot warrant our customers will achieve the same results from any bulletin because we do not have control over the condition of use; nor can we assume any responsibility for our products in a manner which infringes the patents of third parties.