



RXSOL

CHEMO PHARMA INTERNATIONAL

Technical Data Sheet (TDS)

RXSOL-20-2001-050

Tank Cleaner TTC HD 50 Ltr

Tank Cleaner and Degreaser

RXSOL-20-2001-025 (HEAVY DUTY - PLUS)

Introduction (Solvent based oil and grease remover)

Highly concentrated solvent emulsifier, with powerful penetrating agent corrosion inhibitor and surfactants, RXSOL TC 2001 is used as a tank cleaner or for general degreasing , cleaning and gas freeing for double bottom tanks, wing tanks, tank lines, fuel oil tanks, etc .

Tank Lining – Stainless / Zinc / Epoxy / Phenolic.

Using-Procedure

Spraying:-

This can be beneficial as part of the initial cleaning process after the carriage of Lube oils and Lube oil additives. As soon as the tank in question has been checked empty by the attending surveyor, RXSOL-20-2001-025 Plus should be sprayed over all surfaces which are safely reachable.

Portable machines:-

After 45 minutes the butterworth machines should be operated for 3 x 20 minutes drops using warm 60o C, then the machines brought back to the top and a full hot wash 80 – 85 o C should be carried out for at least 6 hours.

Fixed machines:-

Wash ambient for 45 minutes followed by warm water for one cycle before increasing to hot (80oC) for 4 hours.

Injection:-

This can be carried out by injecting RXSOL-20-2001-025 Plus into the butterworth system after the heater. A normal amount to use would be 100 – 150 liters during the initial washing cycle. Water temperature should be 60o C during the injection period then brought up to 80 – 85 o C for the full washing period.

Re-circulation:-

Possibly the best result are achieved by re-circulating a solution of RXSOL-20-2001-025 Plus after the initial rough washing of the tank. A sufficient amount of fresh water to maintain good suction should be heated to 60 o C and approximately 420 liters of RXSOL-20-2001-025 Plus (2 drums) added for each 500 liters of fresh water. The temperature of the mixture can be increased depending upon the melting point of the product being cleaned. The solution should be circulated for at least 4 hours and the butterworth machines operated at maximum pressure in all areas of the tank throughout this process. If a number of tanks are to be circulated, then a substantial quantity of solution can be made so that transfers can be made without delay and any small

amounts lost will not affect the operation. Normally following transfer to another tank, 100 liters RXSOL-20-2001-025 Plus is added for each 5000 liters of solution. This is called "spiking".

Following the re-circulation process, the tank must be hot butterworthed 80-85o C for at least 6 hours.

*Use a strainer at the pumpstack when circulating any solution RXSOL-20-2001-025 is recommended for local cleaning and degreasing and may be applied by brush, hand spray, immersion, soaking or any other conventional means. Apply concentrate RXSOL-20-2001-025 over soiled area and wait for 20-30 minutes before rinsing off with water.

Soak Method:-

For heavy oil and soil Put parts to be cleaned into a bath of concentrate RXSOL-20-2001-025 and for medium to light soiling use a solution of 10-30% RXSOL-20-2001-025 in water. Parts should be soaked for at least 30 minutes before washing off with water.

Spray-Method:-

Spray concentrate RXSOL-20-2001-025 over all soiled areas. With in 15 and 30 minutes, RXSOL-20-2001-025 starts its function then rinse off by water hose. For stubborn deposits, agitation by scrubbing will assist the cleaning operation .

Cargo Tank Cleaning after Mineral Oils

Direct injection method:-

Make a solution of RXSOL-20-2001-025 between 0.1 and 2.0% i.e. one to twenty litres per ton wash water. Then use with Tank cleaning machine , Best results are obtained when water is heated to a temperature between 60 to 80°C. Slops Should be Constantly Stripped from, tank.

Recirculation method / Ship's Rocking Mottion:-

Make soln. Strength with RXSOL-20-2001-025 between 0.5 -3 % and used with Tank Cleaning machines OR fill the tank to 20-30% volume with sea water and add the RXSOL-20-2001-025 up to full dose . For better results heat the solution between 60 - 80°C.

NOTE :Dose rate and results will vary depending on amount of contamination.

Spot cleaning- RXSOL-20-2001-025 (concentrate) can be sprayed over surfaces and left for 20 - 30 minutes Finally wash down the tank surfaces with hot water between 60°C and 80°C with high pressure machine . Keep stripping tank slops and transfer to holding tank/slop tank.Cleaning of theOil side of Lube Oil Heat Exchangers Cleaning is best achieved by the recirculation method using a heated 20% solution of RXSOL-20-2001-025.

- 1) First of all drain off any remaining oil from Heat Exchanger.
- 2) Connect the discharge side of a portable pump to the lower heat exchanger connection & the suction Side of the pump to the bottom outlet of a 200 litre drum.
- 3) Complete the circuit by connecting the upper connection on the heat exchanger to the top of the drum.
- 4) Maintain the bath temperature between 60-80 0 C throughout the cleaning operation. If it is not possible to heat, the operation will need to be extended.
- 5) Use the pump to maintain circulation for 12 to 15 hours. When the cleaning is completed, disconnect the

lower heat exchanger connection and drain out the cleaning solution.

6) Connect a fresh water supply to the upper heat exchanger connection, and rinse until the water runs clean from the lower connection.

When rinsing is complete, disconnect the water supply and thoroughly drain and dry the heat exchanger

Product Properties

Colour	Clear light brown liquid		
Density	In g/cm ³ at 15°C: 0.99		
Flash Point	(PMCC)°C: Above 62		
Comitibility			When mixed with water, a clear emulsion is formed.
Metal	No known effect		
Rubber	May swell		
Sythetic Rubber	May swell		
Packaging	RXSOL-20-2001-025	(in Litres) 25 ,35 ,210	Flash Point : > None

****Used as a multi-purpose degreaser in extremely hard cleaning conditions****

Characteristics

It is cost effective, easy to apply and use.

- High emulsification on mineral oils and petroleum based chemicals.
- Safe to use on most metal surfaces, painted surfaces and tank coatings.
- Cleans oil coolers, fuel oil pre heaters and lube oil heat exchangers.
- Removes general oil contamination from machinery and engine room.
- Economical cost effective .

****For detailed information on safety & health, Please refer to Material Safety Data Sheet & /or Product Label****

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