RXSOL

CHEMO PHARMA INTERNATIONAL

Technical Data Sheet (TDS)

RXSOL-40-4023-020
Corrosion Inhibitor Nitrite Borax based

CORROSION INHIBITOR
Corrosion Inhibitor Nitrite - Borax based
(High Nitrite Contentite) RXSOL-40-4023-020
Liquid(For Radiators, DG-sets, Cooling System)

Description

RXSOL-40-4023-020 is a high performance nitrite based closed circuit inhibitor with nitrite-borax unique formulation with organic Corrosion Inhibitors, Anti-Scalant for use in cooling water systems,for preventing corrosion and scale Formation in Internal combustion engines, compressor cooling system,DG set at high or low temperature.It is a concentrated liquid ,also used as a corrosion inhibitor (Protects all the metals including cast iron,mild steel,copper .
Note: The stable oxide film that is formed by RXSOL-40-4023-020 prevents corrosion caused by electrolytic action between dis -similar metals used in the system.RXSOL-40-4013 has been field tested and found to have no detrimental effects on non metallic substances such as seals, glands,packing,hoses, gaskets etc., normally used in these'systems.

Application for DG-Sets

Internal combustionengines closed circuit cooling system compressor cooling system.RXSOL-40-4023-020 incorporates superior corrosion inhibitors to prevent corrosion works by free of scale deposits.

Advantages

Prolong the life of equipment by keeping scale and corrosion free. Since RXSOL-40-4023-020 is alkaline and so will suppress acid corrosion, which would otherwise result in corrosion damage such as pitting. However, the alkalinity control is such that even if the product is accidentally overdosed, the pH of the water will remain within limits. The metals which would be affected by extremes of alkalinity or acidity are protected
• Improves generating cooling efficiency by maintaining a clean heat transfer
• Reduced maintenance and down time
• Compatible with Coolants / Antifreeze solution / Glycol .
• Friendly with Metals (Like steel, Copper, Aluminum, all alloys) & Non-metal (Rubber, Hoses, Gasket etc.)
Note: In cases where systems are contaminated with oil and/or scale they should be cleaned before starting to apply RXSOL-40-4023-020.There are suitable RX BRAND products to carry out the cleaning. Degreasing should be carried out using RXSOL-10-1005-OB and descaling by using RXSOL-11-1008-DC

Method Of Use

1. Properly clean the system with water and alkaline liquid , if necessary.
2. Add 0 .15-1.5 % of RXSOL-40-4023-020 in system or recommended Nitrite level 1400 – 2500 ppm can be measured and controlled by any standard RXSOL test kit for Nitrite,Chloride test also helps to detect excess contamination to maintain accepted levels.
3. When the product is dosed as recommended limit By buffering action of RXSOL-40-4023-020 ,pH should be maintained between 8.3 and 10 by the treatment.
Note: Initial dosage for an untreated system is 9 litres of RXSOL-40-4023-020 /1000 litres of untreated distilled water.This will bring the treatment up to the minimum level of 1000 ppm nitrite.For best result and prolonged engine life add RXSOL-40-4023-020 every 500 -6500 km. or 250 to 300 hours of running time or every 2 month interval.

Specification

Color	Clear/Pink (Colour changes of the product can not be excluded the effectively will however not impaired.)Sp.Gravity					
pH	Alkaline					
Odour	None.					
Freezing Point	17 0 c					
Nitrite (as PPM NO2)	0	100-200	300-600	700 -900	1100-1300	1440-2400
RXSOL-40-4013 / 1000L	13.0	11.3	8-10	5-7	1.5-3.5	0

Handling: RXSOL-40-4023-020 is an alkaline product &should be handled like other chemical Avoid contact with Eyes,Skin,in case of contact,wash with copious amounts of water immediately