



RXSOL

CHEMO PHARMA INTERNATIONAL

Technical Data Sheet (TDS)

RXSOL-40-4011-020

Corrosion Inhibitor for Multi Metal Cooling Water

Description

RXSOL-40-4011-020 is a superior multifunctional, nitrite-based and triazole based chemical treatment used for the control of corrosion in closed cooling systems and chilled water systems. RXSOL-40-4011-020 is a liquid product containing a combination of ferrous and non-ferrous corrosion inhibitors, a non-carbonate buffer, scale inhibitors, dispersants and a leak detection dye.

Note: The stable oxide film that is formed by RXSOL-40-4011-020 prevents corrosion caused by electrolytic action between dissimilar metals used in the system. RXSOL-40-4011 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 combustion engines closed circuit cooling system compressor cooling system. RXSOL-40-4011-020 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-40-4011-020 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-40-4011-020. 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. The recommended dosage of RXSOL-40-4011-020 is 15.6-23.4 l/m³ of system capacity or 60.6-87 RXSOL-40-4011-020 of system capacity in all systems. Clean up the system if the system becomes contaminated with iron. Maintain 600-750 ppm nitrite as NO₂. RXSOL-40-4011-020 is intended for industrial use only. It should not be fed to potable water systems
 3. When the product is dosed as recommended limit By buffering action of RXSOL-40-4011-020, pH should be maintained between 8.3 and 10 by the treatment.
- Note: Initial dosage for an untreated system is 9 litres of RXSOL-40-4011-020 /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-40-4011-020 every 500 -6500 km. or 250 to 300 hours of running time or every 2 month interval.

Specification

Color	Clear					
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-40-4011-020 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

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