

## **RUST PREVENTATIVES**

**Introduction-** Many of the metallic parts, components, and finished machines produced by the manufacturing industries may have bare metal surfaces which require to be protected until brought into use, or receive inter-stage protection prior to further assembly or processing. They may be finished metallic parts, which need to receive some form of protection from corrosion during shipping or storage, or they may require some form of protection from corrosion whilst in use.

Typical examples are automotive parts which require protection for a few days, weeks or months, fasteners, steel strip, steel sections, drawn sections of steel, aluminum alloys, or yellow metals etc, during a delay in the manufacture and supply schedule.

In some cases, the parts may need to be protected after machining, and if this has been carried out with a water miscible coolant, then the parts may need to be dewatered or dried as part of the overall protection.

**KRPO-059-** A low viscosity solvent based rust preventive oil with water displacing property. It affords corrosion protection for machined parts in industrial environments. The film gives short protection.

**KRPO 602** -This is a solvent-based water displacing type fluid. This can be applied to water wet metal surfaces to displace water. It does not offer any protective film. In short, it is a dewatering fluid. It offers a soft oily surface on the component and is suited for protection during storage of valuable machine tools and as a final protective as the film is resistant to handling and gives excellent protection

During its protective period, it needs to give adequate freedom from corrosion of bare metal surfaces for a predetermined length of time in manufacture, assembly, storage or distribution. The term of

protection will need to be determined for each application, in line with other requirements, and the type of protective selected to suit.

**Fields of Application**

- Steel and coated steel strip Steel profiles
- sections and tubes Aluminum or other alloy strip and sections
- Machined parts and components either as finished items or for later assembly
- Tools and machine tools in manufacture storage and supply
- Fasteners such as screws, rivets, bolts, etc
- Machinery parts, either finished or for later assembly
- Automotive components and sub-components
- Construction and off-highway equipment
- Metal tanks, valves, and lines Agricultural parts and machinery
- Vehicles or machinery protected in shipment

**Advantages**

- Reliable rust prevention
- Easily removed
- VOC Free
- Good de-emulsification
- Water displacing
- Compatible with any materials such as paints, adhesives, sealants etc.

Product	Flash Point	Type of Film	Coverage Sq.M/Lit	Protection Period	Test Method	Specific Gravity@30 C	Shelf Life
KRPO-059	34 °C	Thin	45-60	4-6 weeks ( Indoor)	IS-1154	0.78-.80	1 Yr From MFG Date

Product	Flash Point	Type of Film	Coverage Sq.M/Lit	Protection Period	Test Method	Specific Gravity@30 C	Shelf Life
KRPO-602	32 °C	Soft Thin	45-60	16-20 weeks (Indoor)	IS-1154	0.80-0.81	1 Yr From MFG Date

**How to apply-**

Easy to apply by dipping or brushing

Product Data Sheet-KRPO-059

Physical properties: Proilerties

Test Method – Visual

Appearance -Pale Brown

Specific gravity @30°C 0.78-0.80

Viscosity@38°C 25-26 sec

Flash Point (Abel) 34 °C tp -170 –

HzOdisplacement Test Passes IS :1154

**PHYSICAL DATA FOR MATERIAL**

Physical state : Liquid

Odour & appearance- : Aromatic , Pale Brown

Solubility in Solvent :Soluble in organic solvents/Petroleum Fluids

Ph :7

Viscosity @Viscosity @38 C:25-26 Seconds

Flash Point ( Closed Cup) :34 C ( Minimum)