

Rust Preventive Oils & Rustojel



Suprabha
PROTECTIVE PRODUCTS (PVT.) LTD.

Rust Preventive Oils

It is important to undertake the necessary preventive steps before rust promoting nuclei infiltrate into your metal components. Suprabha offers both, film forming and non film forming rust preventive oils.

Advantages of VCI Rust Preventive Oils over Traditional Rust Preventive Oils

Traditional Rust Preventive oils work on the principle of Contact Inhibition. If the oil film is disturbed in handling, the exposed area catches rust, which subsequently spreads to the areas beneath the oil layer.

Suprabha VCI Rust Preventive oils work on the principle of both Contact and Vapour Corrosion Inhibitions. As a contact inhibitor, they form a film on the metal surface, forming an effective barrier between the metal surface and the atmosphere. The VCI chemicals blended in the oil release continuous vapours into the air over the oil. In case the oil film is disturbed in handling, the vapours from the chemicals from the neighbouring areas create a vapour barrier thus protecting the metal surface at all times. The vapours also migrate to the recessed areas of the component, where physical application of oil is not possible.

Suprabha also offers a special VCI concentrate for oils. Most suitable for use with hydraulic oils, gear oils and other lubricating oils and also MTO & kerosene. To be used between 0.25 % to 1.0 % concentration.

Special Features

- ▶ Protection to ferrous and non-ferrous metals except brass and cadmium
- ▶ Special properties to neutralise acid, in the atmosphere or transferred by the finger prints on to the metal surface
- ▶ De-watering properties to de-bond the water from the wet surface of the component
- ▶ 100% eco-friendly and environmentally safe
- ▶ Non-toxic and mild fragrance makes it ideal for in-plant use
- ▶ Conforms to IS-1674
- ▶ It provides protection to Ferrous as well as Non-Ferrous metals
- ▶ Even in adverse conditions of 100% relative humidity, the recessed areas of the metal surface are also properly protected

Rustojel

Suprabha Rustojel is a ready-to-use petroleum jelly based rust preventive gel. Upon application a tenacious film is created on the machined surface. The vapours released by chemicals create a protective vapour barrier that keeps corrosion promoting agents like moisture and oxygen away.

Ideal to use on partly machined large castings received from vendors, fabricated items, welded joints etc.



- ▶ Protection from rust during storage both indoor as well as outdoor
- ▶ Non-hazardous and environmentally safe
- ▶ Economical and easy to handle
- ▶ Protected areas of the component do not require cleaning / degreasing thereby saves time and effort
- ▶ Components when additionally wrapped in Suprabha Rustopaper can offer long periods of protection
- ▶ Easy to clean using common degreasers

Code	Description	Applications	Special Features	Protection Period
RUST PREVENTIVE OIL				
VCI 401	Concentrate to oils	Lubricating and hydraulic systems. Tanks, Gear boxes & for internal surface protection	Acts as an additive to cleaning media like MTO and Kerosene.	1-2 weeks depending on the concentration
VCI 405	Automatic transmission fluid based oil	Transmission cases / components	Creates a non-drying imperceptible film. Also a finger print neutraliser.	8-12 months indoor
VCI 412	High quality engine oil as base oil	Anti-rust protection for any machined component	Creates a non-drying imperceptible film. Also a finger print neutraliser.	8-12 months indoor
VCI 413	Oil based liquid, yellowish brown film	Anti-rust protection for any machined component	Semi dry tenacious film finger print neutraliser	8-12 months indoor
VCI 414	Oil based liquid that creates yellowish brown film on the metal surface	Anti-rust protection for all machined components, particularly for heavy duty rust prevention	Semi-dry, tenacious film forming oil. Also a finger print neutraliser.	18-24 months indoor and 4-6 months outdoor
VCI 432	Low viscosity petroleum distillate	Short term rust prevention	Forms a thin colourless dry film.	5-6 months
VCI 433	Low viscosity engine oil base	Anti-rust oil for acid environment	Resistant to acids like HCL, H ₂ SO ₄ , etc. De-watering & VCI Properties.	3-4 months
VCI 434	High quality engine oil base	Anti-rust oil for acid environment	Resistant to acids like HCL, H ₂ SO ₄ , etc. De-watering & VCI Properties.	10-12 months
VCI 445	Low viscosity engine oil base	Anti-rust protection for all machined components	Larger coverage area with de-watering properties. Also a finger print neutraliser.	4-6 months indoor
VCI 445 IP	Low viscosity solvent cut back	Anti-rust protection for all machined components	Dries after application. (Leaves no trace of oil layer)	3-4 months indoor
VCI 449	Low viscosity petroleum distillate	Short term rust prevention and de-greasing	Can also be used for light de-greasing.	2-3 months indoor
VCI 470	Wax based R-P oil	Long term rust prevention	Golden yellow waxy film.	10-12 months
RUSTOJEL				
VCI 601	Light yellow transparent Rust Preventive Jelly	Ideal for vertical surfaces, large fabricated items for both indoor as well as outdoor protection	Clear film	12-15 Months indoor. 6 Months outdoor
VCI 602	Dark brown Rust Preventive Jelly	Ideal for vertical surfaces, large fabricated items for both indoor as well as outdoor protection	Yellowish brown tenacious film	18-24 Months indoor. 10-12 Months outdoor
VCI 603	Reddish Rust Preventive Jelly	Ideal for vertical surfaces, large fabricated items for both indoor as well as outdoor protection	Pintenacious film	18-24 Months indoor. 10-12 Months outdoor



All statement, technical information and recommendation contained herein are based on tests we believe to be reliable, but the accuracy and completeness thereof is not guaranteed. Seller warrants product will be free from defects when shipped to user. Seller's only obligation shall be to replace within sixty days after the date of purchase, such quantity of product found defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the products. Before using user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection therewith. No statement or recommendation not contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer. The warranty offered in connection with the product is exclusive and in lieu of all other warranties, express, implied or statutory, including without limitation any implied warranty of merchantability or of fitness for a particular purpose.



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