

# 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                          |
|----------------------------|---|---|--|--|
| <b>RUST PREVENTIVE OIL</b> |   |   |  |  |
| 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 <sub>2</sub> SO <sub>4</sub> , 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 <sub>2</sub> SO <sub>4</sub> , 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                               |
| <b>RUSTOJEL</b>            |   |   |  |  |
| 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.



**TÜVNORD**

Bangalore | Chennai | Coimbatore | Delhi | Hyderabad  
Indore | Kolkata | Ludhiana | Nagpur | Pune | Vadodara

Tel.: +91 20 2613 6123  
+91 20 2613 1238  
Fax : +91 20 2613 5003



**Suprabha**  
PROTECTIVE PRODUCTS (PVT.) LTD.

Bhandari Apts., First Floor, 373,  
Somwar Peth, Pune - 411 001, India.  
E-mail : sales@suprabha.com

www.suprabha.com