



# TARA PAINTS & CHEMICALS

(An ISO 9001:2015 Certified Company)

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## RUST REMOVER / CONVERTER

In all engineering operations involving use of sheet metal, grease or oil is always there. Besides, light to medium rust exists under the oil or grease. After mechanical processing, painting is required and no paint will adhere to an oily, greasy or rusted surface. All large engineering organizations using sheet metal, adopt a process known as seven tank system. The sequence followed in the seven tanks, runs as under.

1. Degrease
2. Rinse with running water
3. Remove rust
4. Rinse
5. Phosphatize
6. Rinse
7. Passivate

The system needs lot of space, equipments and effluent treatment facility, very costly and involves large investment. Small and medium sized companies cannot afford to adopt the system. It is for smaller engineering companies where Rust Remover provides the solution. It removes

- oil/grease,
- rust
- Convert the rust & phosphatize the surface by converting it into oxides.

That is how the product is described as 3-in-1. Why phosphatize? A phosphatised surface, gives better adhesion and longer protection to any paint coating.

### **Areas of Application**

Any iron or steel fabrication, which needs painting, must be cleaned, de-rusted and phosphatised, with the use of Rust Remover. It also etches the Non metals such as copper & aluminium substrates.

### **Surface Preparation**

Wipe off excess oil or grease, with a rag pad, before applying Rust Remover.

### **Technical Data**

- APPEARANCE : Transparent yellowish/greenish liquid
- VISCOSITY : Watery
- WEIGHT/LITRE : 1.12

### **Directions for Use**

Depending upon the quantum of grease, oil and rust to be removed, It should be applied on the article, with brush or with rag pad. In case of heavy coating of oil/grease, the same should be wiped off with rag pad, before applying Rust Remover. The dried surface will be free from oil and rust. The rusty portion will turn dark grey, which is due to the conversion of rust into iron phosphate. For ascertaining the coating of phosphate, put a drop of 10% solution of ammonium molybdate which will turn greenish /bluish indicating the presence of phosphate radical. Remember before coating of the surface clean the surface with moist cloth to remove all impurities.

### **Notes**

Rust Remover being acidic in nature, plastic gloves must be used while handling. Eyes must be covered with safety glasses. Remember, rust can also be easily removed with hydrochloric acid. It is very dangerous because hydrochloric acid forms ferrous chloride ions, which will result into heavy rusting afterwards and will not allow any paint to adhere to the surface.

All the information given here are as per the results obtained in laboratory & are given in good faith to guide the user but without any warranty, the actual application results might vary depending on the conditions. We are not responsible for any loss, injury or damage resulting from the use of this information