

M - THREE

(**Degreasing , Derusting & Phosphating THREE IN ONE Solution.**)

For Chemical Plants & Process Plant Equipments made of Mild Steel & Carbon Steel

SCOPE : M-Three is the most convenient and user friendly product for the pre-treatment of Mild Steel Sheet metal components. The use of M-Three renders the metal surface free from surface oil, grease, dirt & dust. M-Three is based on Phosphoric Acid, Wetting agents, Organic solvent cleaners, Foam boosters and corrosion preventives. Application of M-Three can be conveniently carried out by Brushing / Swabbing, by Dipping & by Spraying. M-Three is totally soluble with water in all proportions, and is used at various concentrations depending on the surface conditions, amount of Rust & soil on the substrate, and the size & shape of the components. For on sight applications and for very large sized components / Fabricated steel structurals, M-Three can be used by Brush / Spray applications. M-Three shall remove surface rust, and deposit a uniform and light layer of Phosphate coating on the substrate. This coating shall offer corrosion protection to the base metal and it will also very substantially enhance the paint bonding on the metal. The process will substantially reduce labour involved in cleaning.

PRODUCT DATA :

- **Colour & Nature** : Slight Greenish ; Clear Acidic Liquid
- **Specific Gravity** : **1.09 +/- 0.02** at 25 °C
- **Chlorides** : **Free of Chlorides**
- **Concentration of Use** : **33 to 50 %** with water ; depending upon surface condition .
- **Flammability & Hazards** : **Non-flammable , Non-hazardous , Non-toxic**
- **Shelf Life** : Two Years from the date of Supply

METHODS OF USE :

M- Three can be used by **Brushing / swabbing ; Spraying methods.**

The concentrations and treatment periods shall be as under :

Brushing / Swabbing : Use 50 % solution in water, apply to the component to be treated, and allow to react for 10-15 min. Wipe the treated surface with a dry cloth & paint ; within 8 Hours. Do not wash with water

Spraying : Use 10 -15 % Solution in water, spray at 30 - 40 psi, for 30 seconds and allow the components to air dry. Hot Air / Forced air drying is recommended.

It is recommended to the treated Metallic Components Paint within 8 Hrs.

RECOMMENDED APPLICATIONS :

All Automobile pressed components of CRCA, fabricated sheet metal doors & window sections, Machinery Parts, Salvaged steel components, pipes, pipelines and Structural, M S & Carbon Steel Process Plant Equipments, Chemical Plants & Vessels, Heat Exchanger Equipment part, Condensers Chimneys, Factory trusses Bridges / Dams Etc.

Precautions on Spillage : M-3 Chemical is based on Mineral Acids. The Chemical is water based and hence it is Non-Flammable. M-3 Solution is RoHS Compliant : Flush with plenty of running water, in case of Body Contact, or Spillage on Work Area. Use this chemicals in a ventilated area. The Product can be used on Hot Metals / Fabrications.

Handling Precautions : Operators shall use all safety gear : Rubber Gloves, Face-Shield, Goggles, Rubber Aprons, Gum Boots or Safety Shoes, while using & handling M-Three.

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