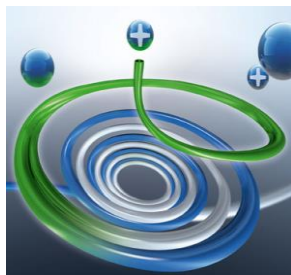


TERGOPHOS

Metal Pretreatment



Description

Tergophos is a phosphoric acid based cleaner, containing detergents, solvents and a corrosion inhibitor, which is applied either by brush, immersion or spray for rust control and the removal of dirt, tarnish and other insoluble metallic deposits. Tergophos is carefully formulated to penetrate quickly, convert rust and form a stable chemical layer to act as a bond for paint and to control rusting. Especially effective prior to painting aluminium, galvanised iron and mild steel.

Tergophos may be used either in a wipe-on, wipe-off process, for conditioning metal and removing rust prior to painting or in a heated tank to remove light oils and heavier corrosion products.

Tergophos is NZFSA Approved C23 (all animal products except dairy). Tergophos also conforms to Boeing specification D6-17487 for acid brighteners and corrosion removers.

Chemical & Physical Properties

- **Appearance:** Clear Colourless Liquid
- **Specific Gravity:** 1.30 Approx.
- **Flammability :** Non Flammable
- **Solubility in Water:** Soluble
- **pH:** 1.0 Approx.

Application & Method Of Use

Application:

- + Rust removal.
- + Etching and cleaning of mild steel, new galvanised iron, aluminium and copper articles.
- + Ideal for cleaning stainless steel, e.g.
 - Removal of milk stone in milk tanks.
 - Removal of hard water soaps, lime and soil build-up in shower cabinets and urinals.
 - General cleaning and brightening of stainless steel.
- + Whitening and removing rust stains from concrete, bricks and tiles.
- + Removal of brazing flux from metals.
- + Tergophos is effective for the cleaning and removal of light protective and drawing oils from panel steel and mild steel pipe and tube prior to painting or powder coating.

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Method of Use:

+ Brush-On, Wipe-Off

Dilute Tergophos with water (hot preferably for faster action) to the ratio of one (1) part Tergophos to five (5) parts water. Use in a more concentrated form if necessary. Brush on the surface and allow to react. Rust removal may be assisted with a wire brush, steel wool or abrasive cloth. Rinse with water and wipe dry. If Tergophos dries before removal, re-wet with more product and continue with normal instructions.

+ Immersion

Dilute with water to the ratio of one (1) part Tergophos to nine (9) parts water. Immerse the article and allow to react. Rinse with water and dry immediately. This operation may be accelerated by heating the bath to a maximum of 70°C.

The tank should be constructed of stainless steel or plastic (PVC polyethylene, GRP) lined mild steel or wood.

+ Post Treatment (for steel articles)

Tergophos treated articles should ideally be rinsed in a hot solution (50-70°C) of one of the following:

- 0.05% chromic acid (i.e. 50g/100 litres)
- 0.15% sodium or potassium chromate or dichromate (i.e. 150g/100 litres)
- 0.05% - 0.15% sodium nitrite (i.e. 50-150g/100 litres)

NB: Due to the variety of metal compositions these treatments may be required to control rust blush after drying.

+ Non Water Rinsing

Where water rinsing after Tergophos treatment is not available or possible due to no post treatment chemicals, methylated spirits may be used.

- + In the instance of the Tergophos fully-treated article not being painted immediately, it is highly advisable to use Tergo's Brazen, Epiphos or Protectoil to prevent new corrosion developing. The two former products will promote paint adhesion also and may be more beneficial than painting where metal forming or re-working is required.

Dilution Ratio

- See Application & Method of Use above.

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Precautions

Refer to Hazard Identification as per Safety Data Sheet.

Safety, Transport & Storage Information

Please refer to Safety Data Sheet.

Packaging

Available in 5L & 20L containers. Containers non-returnable.

IMPORTANT: FOR DETAILED INFORMATION ABOUT THIS PRODUCT PLEASE REFER TO SAFETY DATA SHEET.

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