



RUST SHIELD PHOS™

DESCRIPTION

RUST SHIELD PHOS is a concentrated liquid solution specifically engineered to attack, remove and prevent corrosion as well as to maintain anti-corrosive properties thereon. It may be applied to all metal surface areas and metallic components as a preparatory anti-rust agent before painting, varnishing and/or coating jobs provided that these treated surfaces are free of water.

ADVANTAGES AND CHARACTERISTICS

- ◆ Effectively attacks, penetrates, removes and controls rust on all metal surfaces and parts except those being galvanized and those made of Tin, Zinc, Aluminum and Lead.
 - ◆ Protects efficiently against corrosion.
 - ◆ Acts quickly and thoroughly and no heating upon application is needed.
 - ◆ No known effect on rubber & plastic compounds.
 - ◆ Water-soluble, non-flammable liquid mixture.
 - ◆ Cold protective and "phosphating" rust converter formulated to use on all steel surfaces before coating, re-coating, painting and varnishing applications.
 - ◆ Substitutes sandblasting and hot pickling methods, especially in the cases where they cannot be used.
 - ◆ May be combined with a specific range of other products.
 - ◆ Cost effective, easy to apply and use.
- ▶ **RUST SHIELD PHOS** is not harmful to the marine environment as per MARPOL MEPC 63 Annex V Amendment [MEPC. 71/17/Add.1 Annex 21, Resolution MEPC 295 (71)].

PHYSICAL PROPERTIES

RUST SHIELD PHOS is a concentrated acid-based aqueous solution containing a synergistic antioxidant, and a strong corrosion inhibitor, which result to rust removal and rust proofing on metal surfaces and articles.

Appearance/Color	: Clear, colorless liquid
Specific gravity	: 1.25 - 1.33 gr/cm ³ at 20°C
Solubility	: Adequate
pH value	: 1.5 - 2.5
Odor	: Odorless

PACKAGING

Order Number	: 833028 (30 ltrs)
Container	: Plastic jerrican

APPLICATION AND USE

A. Dosing Procedure

The quantity of **RUST SHIELD PHOS** to be used cannot be prescribed, since this depends on the surface area and/or the number of the parts to be treated, the degree of contamination and the desired results wanted by the user.

In any case, **RUST SHIELD PHOS** must be used diluted at a proportion of 1 liter for every 1–2 liters of water.

B. Cleaning Procedure

The application of **RUST SHIELD PHOS** can be done by brushing with an elongated hard thick brush.

1litre of the diluted solution will cover 12–15 square meters of surface area.

After application, leave surface to dry completely for approximately 2–6 hours time.

- ▶ **Furthermore**, it is important to note that 1 litre of **RUST SHIELD PHOS** can cover approximately 12–15 square meters of light rusted surfaces, where water/sandblasting has been previously used.



! SAFETY AND HANDLING

HANDLING	Handle with care. Store in a dry, cool and well ventilated environment.
SAFETY	IMMEDIATE ACTIONS
Eye Contact	Avoid Eye contact. Otherwise, flush with plenty of water for a few minutes. Seek medical attention.
Skin Contact	Avoid Skin contact. Otherwise, wash contaminated area thoroughly with water. Seek medical attention.
Inhalation	Avoid inhalation of vapors. Otherwise, seek fresh air source at once. Seek medical attention
If Swallowed	Avoid ingestion. Otherwise, consume a considerable quantity of water. Do not induce vomiting. Seek medical attention.
GENERAL INSTRUCTIONS	Avoid spillage, splashing and mishandling. Wear suitable protective clothing, gloves and eye/face protection before using the product.

 **Read the Material Safety Data Sheet before using this product.**

For detailed information on safety and health, please refer to Material Safety Data Sheet and/or Product Label.