

MAINTENANCE



RUST CLEAN & PROTECT

HIGHLY CONCENTRATED RUST AND METAL TARNISH REMOVER AND STEEL PASSIVATOR

DESCRIPTION

RUST CLEAN & PROTECT is a concentrated product aimed to remove rust stains while maintaining anti-corrosive properties. It contains anticorrosion inhibitors and non-ionic biodegradable surfactants. **RUST CLEAN & PROTECT** leaves metal surfaces passivated, protecting them from atmospheric corrosion. It also acts as a rust proofing agent on steel surfaces before any paint or coating application occurs. **RUST CLEAN & PROTECT** can also be used for the removal of possible white residues of epoxy-coatings after carriage of Stearin, Olein, Palm fatty acid etc.

APPLICATION

RUST CLEAN & PROTECT is used to remove rust stains from painted surfaces, glass, porcelain, and terrazzo, ceramic tiles, marble and wood.

USE AND DOSING

For optimum results, the surface should be free of oil, grease, dirt and scale. When preparing the solution, always add the product to water, never the reverse and use in a plastic bucket. Do not allow **RUST CLEAN & PROTECT** dry on metal surfaces as it may leave a white deposit.

For severely corroded surfaces use a 50% solution in water. For less severely corroded or soiled surfaces and tarnish on copper and brass use a solution of 20–50%. After 15–40 minutes, rinse off surface with water.

When used on aluminum surfaces or less rusted surfaces, dosage rate is 1 part of product per 2-5 parts of water. Prepare surface prior to product application by manually rubbing, but do not leave product for more than 5 minutes before rinsing with fresh water. On painted surfaces, ceramic tiles, enamels, porcelain, glass, use 1 part of product per 1-4 parts of water, let product soak and then rinse off with water after 20–30 min, depending on the rust contamination. For light rust and scale in pipelines and tanks, recirculate a solution of 5–10% concentration. For discoloration of stainless steel and epoxy coated tanks use the same method.

For white residues on epoxy-coatings that sometimes remain after carriage of Stearin, Olein, Palm fatty acid etc., use a solution of 5–10%. When injected, use a 5% solution. Recirculate or inject until residue is removed.

PRODUCT PROPERTIES

Long term exposure will cause corrosion of mild steel, cast iron, aluminium and alloys, brass, tin or galvanized material. It is highly recommended to always test the solution on a small area of the object to be cleaned, before full scale application. General Instructions: Avoid spillage, splashing and mishandling. Precautionary measures for body protection are strongly recommended before and during use.

Appearance:	Liquid	pH (undiluted):	Acidic
Type:	Water based	Flash Point:	None

- ✓ Fast removal of rust stains from painted, steel, brass, copper, wooden and ceramic surfaces
- ✓ Cleans and passivates ferrous metal surfaces and inhibits further corrosion
- ✓ Provides a base where paint will adhere
- ✓ Brightens non-ferrous metals
- ✓ Acts as a rust proofing agent on metal surfaces
- ✓ Broad application field
- ✓ Safe to use on all kinds of surfaces including aluminum
- ✓ Solvent-free, non-flammable
- ✓ Includes biodegradable surfactants
- ✓ Composition conforming to MARPOL ANNEX V

PROBLEMS SOLVED

- ✓ Rust
- ✓ Metal brightening
- ✓ White residues and stains that remain on tank coatings
- ✓ Steel passivation
- ✓ Preparation for painting

APPLICATION AREAS

- ✓ Corroded/tarnished surfaces
- ✓ Cargo tanks
- ✓ Bulkheads
- ✓ Decks, railings and other structural surfaces.
- ✓ Piping

PRODUCT CODE: MC 140