

HOW TO USE EVAPO-RUST Safe Rust Remover

Pictures from SIMA-San Diego Naval Facility



COMPLETELY IMMERS ITEM *

EVAPO-RUST is easy to use. Fully immerse the rusted item in EVAPO-RUST and check progress in about 30 minutes; no scrubbing necessary. Soak times will vary from 30 minutes to 24 hours depending on severity of rust, type of steel, and temperature. EVAPO-RUST is water based, therefore the active molecules will slow down as temperature decreases and increase as temperature increases. We recommend utilizing EVAPO-RUST at a bath temperature above 60° F (normal room temperatures).

Once rust is removed, rinse item with water. NO NEED TO NEUTRALIZE

You can now paint, plate, or apply a long term Corrosion Preventative Compound such as Nox-Rust 3100, Permanent Coating, Corrosion Inhibitor or VCI protective packaging.

For short term rust inhibition, simply dip the item in EVAPO-RUST and allow to dry.

For longer term protection use VCI Paper or VCI plastic film packaging.

Rinse with ordinary water before painting, plating or applying a surface protective corrosion inhibitor or coating.

* For items too large for immersion call 1-866-577-2326 and ask about the **PATCH**

Evapo-Rust Health & Environmental Analytical

- PH 6.1 Neutralizing NOT REQUIRED
- Non-Hazardous
- No VOC - NO HAP
- Non-Corrosive (NACE TH0169 = <6.35 mm/yr)
- Not Orally Toxic (LD50 >5g/kg)
- Not Dermally Toxic (LD50 >2000mg/kg)
- Not an eye irritant (MMTS = 0.0)
- Not a skin irritant (PDII = 0.9)
- Spent material is Non-Hazardous
- Removes rust by Selective Chelation
- No DOT Restrictions



Rust Remover F.A.Q.

- Biodegradable, Non-Hazardous Evapo-Rust specifically targets Iron oxide*
- Evapo-Rust Safe Rust Remover does not harm aluminum, brass, copper, plastic, rubber, silicon, wood, felt, or glass (de-rust without dis-mantling)
- Evapo-Rust Safe Rust Remover must be used as a liquid (wet process)
- Safe Rust Remover does not affect plating
- Safe Rust Remover does not affect non-oxide paints
- Evapo-Rust works best above 60 F (Room Temp)
- Evapo-Rust does remove “sacrificial coatings” such as bluing, browning, zinc, or other oxides.

*Hematite - α Fe_2O_3 and- $\text{Fe}(\text{OH})_3$, Goethite are not affected by Evapo-Rust™ Safe Rust Remover