

Evapo-Rust™ is an amazing neutral pH rust REMOVER which has fully demonstrated it's ability to decrease the maintenance burden and decrease the cost and effort put into removing rust.

Evapo-Rust™ removes even deep rust on all types of mild steel and iron. This product is water based and does not require any special equipment or personal protective wear. It is non-corrosive to steel and does not harm Brass, Copper, Aluminium, Gold, Lead, Titanium, Steel, Cast Iron, Solder Points, Vinyl, Plastic, Rubber, Silicone, Glass, Cork or Wood.

Evapo-Rust™ –

- is not a primary eye irritant
- is not a skin irritant
- is non-toxic dermally or orally
- is non-hazardous
- contains no volatile organic compounds
- contains no hazardous air pollutants
- contains no solvents
- is bio-degradable
- contains no acids or caustics
- is non-corrosive
- is non-flammable



Other Evapo-Rust™ Products Now Available Are:

- Aluminate™:** Removes Aluminium Oxide and brightens Aluminium
- Cooling System Flush™:** Uses the latest technology in rust and corrosion removal to totally revitalize automotive cooling systems without the need for dismantling.
- Rust Block™:** Will prevent flash rusting on stored items for between 6 to 12 months.

For more information, please contact:
U.S. Procurements Ltd, PO Box 823, Whangaparaoa.
Phone 0508 EVAPO-RUST (0508 382767)
Mobile 021 420 120 Fax (09) 424 1692.
Email info@evapo-rust.co.nz
Or visit our website www.evapo-rust.co.nz

SUPER-SAFE RUST REMOVER **EVAPO-RUST™**

Rust removal has never been made easier!



New into New Zealand is a product that has taken America by storm.

A harmless, bio-degradable product that removes rust as easily as the effort it takes to submerge an object in water.

Evapo-Rust™ technology is the only chemistry in the world employing selective chelation for rust removal.

How It Works:

Evapo-Rust™ works at a pH of 6.0 to 7 (Neutral) through selective chelation. This is a process in which a large synthetic molecule forms a bond with metals and holds them in solution. Most chelating agents bind many different metals. The active ingredient in Evapo-Rust™ bonds to iron exclusively. It can remove iron from iron oxide, but is too weak to remove iron from steel because the iron is held much more strongly.



Directions:

Evapo-Rust™ comes ready to use, and its use is very simple. The rusted object is fully immersed in this liquid and left to be cleaned. No scrubbing is necessary. Soak times will vary according to degree of rust. Light rust can be removed in as little as 5min, up to heavy scale which may require soaking overnight. Evapo-Rust™ is water based, therefore the active molecules will slow down as temperature decreases, and increase when temperature increases. It is recommended to use Evapo-Rust™ at room temperature.

Water lost to evaporation must be continually replaced to maintain products ability to work.

To slow down evaporation cover container when not in use.



Cleaning vs De-rusting:

Evapo-Rust™ has a surfactant to aid in penetrating oils and dirt. However, surface contaminants DO slow the process. The soils must be penetrated before Evapo-Rust™ can come in contact with the rust. Additionally, heavy soil residue can shorten the life of Evapo-Rust™. Oils, Greases and Cosmoline should be removed prior to de-rusting. Use a clean water rinse on the newly cleaned part to keep from raising or lowering the pH of Evapo-Rust™ from other products. Re-dipping and air drying will provide about 10-14 days of rust inhibition.



Transportation:

Evapo-Rust™ is non-hazardous and ships by any normal postal or regular freight service.

Life Capacity/Storage:

Evapo-Rust™ has an indefinite shelf life and can be used over and over until it absolutely stops working. Only water is lost to evaporation. Evapo-Rust™ has a tremendously high work load. On average, 5 ltrs will de-rust up to 180kg of light to moderately rusted steel. As the iron is removed from the iron oxide, carbon from the rust is released. Some parts may have a black film after using Evapo-Rust™. The black is carbon from the steel. Generally high carbon steel is used in making items that are flexible (ie Springs and Saw Blades etc). High carbon steel and tool alloy steel items, when de-rusted, will have a darker appearance. The carbon can be removed simply by wiping with a cloth when rinsing with water. The more you de-rust, the blacker the solution becomes. Evapo-Rust™ is spent when the specific gravity reaches 1.08, it is pitch black, and no longer performs.

FAQs:

Why replace Acids with Evapo-Rust™?

- greatly enhance the safety in the workplace
- reduce and replace the use of hazardous/inherently dangerous materials (such as acids, caustics, converters, electrical and mechanical methods)
- reduce both hazardous emissions and disposal of hazardous goods
- resulting in increased productivity

Will Evapo-Rust™ remove bluing and other oxide finishes?

Yes, in about 30 minutes. Anodizing will not be removed. Powder coating and paints that do not contain oxides won't be removed.

Can I clean brass, copper and aluminium with Evapo-Rust™?

No, it will not clean (or damage) any of these metals. It will not harm plastic, clothing or glass either.

Can I de-rust by spraying Evapo-Rust™ on the rusted area?

No, Evapo-Rust™ only works in liquid form, since the water in the solution will evaporate when sprayed. However, it can be sprayed on unrusted steel as a rust preventative.

How do I know when the bath is spent?

The bath will turn completely black and will not remove rust.

Evapo-Rust™ Rust Remover and Rust-Block™ are available in:

1 litre, 5 litre, 20 litre, 100 litre and 200 litre quantities.

Aluminate™ and Cooling System Flush™ are available in:

5 litre, 20 litre, 100 litre and 200 litre quantities.