

How does it work?

EVAPO-RUST™ works 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 where the iron is held much more strongly.

Do parts have to be completely clean before immersion?

No. EVAPO-RUST has detergents that penetrate 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 underneath. Soil residue will also shorten the life of EVAPO-RUST. Heavy greases and cosmoline should be removed prior to de-rusting.

Will EVAPO-RUST remove bluing and other oxide finishes?

Yes. EVAPO-RUST will remove these in about 30 minutes. Anodizing will not be removed. Powder coating and paint will not be removed as long as the paints do not contain oxides.

Can I clean brass, copper and aluminum with EVAPO-RUST?

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

I get a black film on some parts after using EVAPO-RUST. What is it and how do I remove it?

The black is carbon from the steel. Generally high carbon steel is used in making items that are flexible (e.g. springs, saw blades) High carbon steel and tool alloy steel item when de-rusted will have a darker appearance. Much of the carbon can be removed simply by wiping with a cloth.

Can I spray EVAPO-RUST on the rusted area?

No. EVAPO-RUST only works in the liquid form. When sprayed on a surface, the water in the solution will evaporate before de-rusting can be completed. It can however be sprayed on as a rust preventative.

How can I use it on a surface too large to soak?

Soak a sponge with EVAPO-RUST. Then place it over the rusted area. Cover the sponge with plastic wrap and tape down to prevent moisture from escaping. Remove in 24 hours and rinse the area with water.

How long does EVAPO-RUST last?

One gallon of EVAPO-RUST will remove the rust from 300 pounds of moderately rusted steel. If any of the bath evaporates, simply replace it with fresh tap water.

How do I know when the bath is spent?

The bath will turn completely black and will not perform.

How do I dispose of the spent solution?

When EVAPO-RUST is spent, only the iron content of the solution will dictate how it can be disposed of. In most cases it can be dumped into the city sewer.

What size containers is EVAPO-RUST packaged in?

It comes in 1, 5 & 25 Litre containers plus as a concentrate to mix in a 5 to 1 ratio.

Added usage Tips:

When removing rust from heavily rusted or pitted parts, immerse in EVAPO-RUST and check after 2 hours. If rust remains in pits, rinse with water and re-immerse.

To prevent flash rusting, dip the item back into solution. Then allow the item to air dry. This will prevent rust for up to two weeks indoors.

EVAPO-RUST is water soluble and will be removed if parts are outdoors in the rain.

No special equipment is required to use EVAPO-RUST. All that is needed is a water tight container. A lid will help prevent evaporation of EVAPO-RUST. If evaporation occurs, simply restore to full concentration with clean water.

If rusted parts have large amounts of loose rust, brush lightly with wire brush before immersing in Evapo-Rust. This will make the product last longer.

Evapo-Rust is the registered trademark of Harris International Laboratories, Springdale. AR

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How to Use EVAPO-RUST:

Pour enough EVAPO-RUST into a water tight container to completely immerse the rusted part. Do not dilute. EVAPO-RUST comes in ready to use form. Soak the part for 30 minutes for light rust or up to overnight for extremely heavy rust.

Before



After



EVAPO-RUST™

Frequently Asked Questions

The rust remover for the 21st century

- **Removes rust quickly without scrubbing**
- **No fumes or bad odors**
- **Non-toxic**
- **Safe on skin**
- **Non-corrosive**
- **Non-flammable. No VOC's**
- **Easy to use. Immerse part in solution**
- **Water soluble. Contains no acids, bases, solvents or other toxic ingredients**
- **Will not attack un-rusted steel**
- **Can be disposed of safely into sewer**
- **Safe on other metals**

Precision Specialty Tooling
ph 03 9416 7077 fax 03 9416 7096

Ask your regular Industrial Distributor for
Evapo-Rust