

Benefits of Using AVENGER Heavy-Duty Rust Remover

- ✓ Safely Removes Rust, Tarnish and Mill Scale From Carbon Steel, Mild Steel, Stainless Steel and Cast Iron
- ✓ Product Will Not Harm Underlying Metal
- ✓ Can be Used Straight From its Container Without Any Dilution or Addition of Any Other Materials
- ✓ Does Not Contain Hazardous or Highly Corrosive Minerals Such as Muriatic or Phosphoric Acids

AVENGER heavy-duty rust remover safely and effectively removes rust, tarnish and mill scale from steel and iron. AVENGER will not harm plastic, paint, glass, aluminum, copper, brass, nickel, chrome or glazed tile.

All of the ingredients in AVENGER are naturally occurring and are widely distributed in nature. They are biodegradable and do not build up in the environment. Non-poisonous, it contains no phosphorous or chlorine or petroleum distillates. As such, its components are not regulated. The product is only mildly acidic. With a pH of 3.8, it is actually less acidic than lemon juice or household vinegar.

AVENGER is formulated to be used straight from its container without dilution or addition of any other materials. It is completely water-soluble, odorless and non-flammable, and it produces no fumes.



APPLICATIONS

AVENGER's liquid concentrate contains active rust removers that effectively remove rust, tarnish and mill scale from iron and steel. It is completely water soluble, odorless and non-flammable and produces no fumes during application. AVENGER contains no hazardous or highly corrosive mineral acids or toxic volatile acids, such as muriatic acid or phosphoric acid. It will not harm plastic, paint, glass, aluminum, copper, brass, nickel, chrome, ceramics or glazed tile. **Caution:** AVENGER will attack zinc.

DIRECTIONS

To derust iron or steel with AVENGER, first remove oil, dirt and loose rust. Place item in an open container or tank made of stainless steel, glass, polyethylene (non-heated tanks), fiberglass reinforced plastic or steel lined with plastic or rubber. Do not use a galvanized container. Pour in AVENGER heavy-duty rust remover to completely cover the item to be derusted. Allow item to soak until derusting is complete - 15 minutes to several hours, depending on severity of rust. To speed derusting, heat the solution (but not to boiling), brushing away loose rust sludge every 20 to 30 minutes. Rinse derusted item thoroughly with tap water and dry. If not to be painted, lightly oil the rust-free item to keep it free of rust.

TECHNICAL DATA

Composition:	Proprietary non-hazardous mixture
Color:	Water-white
Odor:	Odorless
pH:	3.8



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C-9/PC-2567/1006

AVENGER

Heavy-Duty Rust Remover

The following pictures were taken during an AVENGER lab test conducted by ATCO International's Director of Technical Services Mauricio Amaya in order to demonstrate the effectiveness of AVENGER's rust removing capabilities. These heavily rusted items were immersed in a solution of AVENGER for a period of 30 minutes, removed and left to dry.



Before



After

Directions For Use

- 1) To derust iron or steel with AVENGER, first remove oil, dirt and loose rust.
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- 3) Pour in AVENGER heavy-duty rust remover to completely cover the item to be derusted. Allow item to soak until derusting is complete - 15 minutes to several hours, depending on severity of rust. To speed derusting, heat the solution (but not to boiling), brushing away loose rust sludge every 20 to 30 minutes. Rinse derusted item thoroughly with tap water and dry. If not to be painted, lightly oil the rust-free item to keep it free of rust.