

# AEROGREEN AC-10 RUST REMOVER AND METAL PREP



## Product Description:

AEROGREEN AC-10 RUST REMOVER AND METAL PREP quickly removes rust, cleans and profiles metal surfaces, such as steel, cast iron, galvanized metals, zinc, and high polished aluminum, preparing the surfaces prior to painting. Aerogreen AC-10 is ideal for the industrial, automotive, agricultural, and transportation industries.

## Features:

- No VOC's
- Removes rust while profiling
- Quickly and efficiently etches metal surfaces
- Non-toxic ingredients
- Various application methods
- Cleans after blast from weld area

## Benefits:

- No hazardous waste disposal cost
- Reduced hazardous chemical exposure
- Increased efficiency and reduced labor requirements
- Simple to use
- No odor
- Enhances adhesion of coatings
- Environmentally friendly

## What Is It:

AEROGREEN AC-10 RUST REMOVER is a phosphoric acid based rust remover and metal profiler designed to swiftly and efficiently remove rust from metal surfaces while minimizing its impact on the environment and human health.

## What Is It Used for:

The active ingredient, phosphoric acid, is immensely effective in removing rust from various metal surfaces. It can quickly penetrate and treat rust on steel, iron, and various other metals.

## How It Works:

The phosphoric acid reacts with iron oxide (rust) to form iron phosphate, which is water-soluble. This chemical reaction helps dissolve the rust and allows it to be easily rinsed or wiped away. Phosphoric acid can also form a protective phosphate conversion coating on the metal surface, which helps inhibit further rust formation. This coating acts as a barrier, preventing moisture and oxygen from reaching the metal and slowing down the rusting process.



## Application Guidelines:

### Rust Removal/Cleaning Freshly Blasted Steel/Removal of Weld-Splatter - Steel, Cast Iron and Galvanized:

Remove rust with a spray-on/wipe-off application. Dilute with water as follows: Light rust - 4:1 (4 parts water: 1 part Aerogreen AC-10); Medium rust - 2:1 (2 parts water: 1 part Aerogreen AC-10); Heavy rust - do not dilute. Directions for use: Determine dilution per listed ratio. Add AC-10 to water and mix. Hot water will accelerate the cleaning and removal. Spray onto the surface from the bottom up. Allow 1-5 minutes to penetrate the surface. Wipe the surface dry with a clean cloth. No rinsing is necessary. Use a nylon brush for heavily pitted areas while maintaining wetness. Scrub the surface to smooth prior to drying.

**Wipe-off, Wipe-on and Etching High Polished Aluminum:** Dilute AC-10 3:1 with water (3 parts water: 1 part Aerogreen AC-10). Dip a clean cloth into the diluted solution and wring out excess. Wipe a small area with a dampened cloth. Wipe the same area with a second clean, lint-free cloth to ensure the surface is dry and no residue is left. Do not rinse.

**Dip/Immersion Tank:** Fill cold dip tank 1:1 (1 part water: 1 part Aerogreen AC-10). Fill Hot dip tank 4:1 (4 parts water: 1 part Aerogreen AC-10). Immerse steel in and allow it to remain in the solution from 5 minutes up to 6 hours. Check-in at 5-minute intervals to see if the rust has been removed. Rinse with 2% AC-10 solution added to water then dry the surface immediately.

\*\* For large areas, AC-10 can be applied using a garden or pump type sprayer. \*\*



Improper surface preparation of metal surfaces with oxidation leads to immediate paint failure. This can present as peeling, bubbling, or flaking of the coating. Proper preparation will enhance adhesion and significantly reduce the possibility of coating failure.

## Specifications:

|                            |                             |
|----------------------------|-----------------------------|
| • Boiling Point            | 212°F (100°C)               |
| • Water Solubility         | 100%                        |
| • Color/Characteristics    | Clear/Saturated White Cloth |
| • VOC's                    | None                        |
| • Flammable/Combustible    | No                          |
| • Density lbs/per gl       | 8.25lbs/gl                  |
| • pH of Concentrate        | 1.5-3.0                     |
| • Specific Gravity (H2O=1) | 1.025@20C                   |
| • Odor                     | None                        |
| • Ready to Use             | Yes                         |

## Ordering Information

### Aerogreen Product Number

|          |                      |
|----------|----------------------|
| AC10G4   | Case 4-1 Gallon      |
| AC10P    | 5 Gallon Pail        |
| AC10D    | 55 Gallon Drum       |
| AC10T275 | 275 Gallon Tote      |
| AC10T330 | 330 Gallon Tote      |
| AC10RWC  | 6 Tubs - Ready Wipes |

## Safety/Caution:

Rubber gloves are recommended to prevent drying of the skin. Goggles are recommended to protect eyes if splashing is expected. Harmful if swallowed. Avoid getting into the eyes. If contact occurs, flush with running water. If irritation persists, get medical attention. May cause dryness of skin with prolonged use — wash hands with cold water and apply a hand lotion. AC-10 is phosphoric acid based and must be used with plastic containers, hand pumps, sprayers, and plastic lined or stainless-steel dip tanks.

