



Aculon® 905 Cleaner

Product Information

Aculon® 905 Cleaner is a water based cleaner designed for use on Aluminum and Steel substrates. It is not designed for use on copper, brass, tin, or silver. While not designed specifically for glass or ceramic, this cleaner should not harm those substrates. This cleaner is used to get the substrate to a water break free condition to enhance the adhesion of Aculon's coatings.

Solvent	Color
Water	Clear/ Amber Fluid
Physical Properties	
Shelf Life	2 years (Unopened container)
Specific Gravity	1.1 g/ml
pH	7 +/- 0.5

Features

- Used as provided for wipe applications
- Diluted 2 parts cleaner in 5 parts Deionized water for dip cleaning applications
- Gentle enough for many substrates.
- Ensures metal substrates are back to native oxide layer for proper adhesion of Aculon coatings.

Application Protocol

Surface Preparation/ Cleaning:

To ensure that the surface is free of any grease, fingerprints, adhesive residues or dirt (*i.e.*, water break free), follow these procedures:

1. Remove any gross contaminants, caked on dirt, oil, or paraffinic residue.
2. Degrease the surface with solvents such as Isopropyl Alcohol, Acetone, or Toluene
3. Move to the chosen cleaning method in the chart below:

Treatment Application:

Wipe Application:

1. Saturate an absorbent clean cloth with the Aculon 905 Cleaner.
2. Wipe the area to be cleaned/treated.
 - a. Ensure that all areas are wiped with moderate force for 1 – 3 minutes.
 - b. Sufficient contact time and mechanical abrasion is critical for successful treatment.
3. Rinse with water for at least 60 seconds and ensure the substrate is water break free.
 - a. For best results, use deionized water

Dip Application (sonication optional):

1. Utilize a dip bath (stainless steel or glass) sufficient to fully submerge the areas of the part that require cleaning.
2. Dilute the provided cleaner by mixing 1 part of cleaner with 4 parts of deionized water by volume.
3. Heat the cleaner to 40° - 50°C.
4. Submerge the part for 5 minutes.
 - a. Mixing the cleaning solution during the dip process will aid in cleaning.
5. Rinse well with deionized water (at least 60 seconds) and ensure the part is water break free.

Drying:

1. Blow dry the substrate using an oil free air source.

Treat: your substrate as soon as practical once the part is clean and dry.

Equipment Cleaning: Clean all equipment with water.

Safety, Handling, Storage, Shelf Life:

Store in a cool (~25°C) and dry area, and keep away from direct sunlight. See this product's MSDS for proper handling. When stored properly, product has a 2 year shelf life.

For Additional Information:

To request additional product information or sales assistance, contact Aculon's Technical Team, at 858-350-9474. For information on other Aculon products, please visit our website at www.aculon.com.

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