



# Aculon Balance Weight Adhesion Promoter Towellette

## Nano-Scale Adhesion-Promoting Surface Treatment

### Product Information

**Aculon Balance Weight Adhesion Promoter** is a nano-scale organometallic coating product is a surface treatment capable of promoting adhesion on most metal surfaces. It is packaged as a convenient wipe to treat the surface of one wheel.

Solids	Solvent	Color
<5% Proprietary Ingredient	Isopropanol	Clear/ Colorless

Physical Properties of Post Treatment Coating	
Visible Light Transmission	100%
Coating Thickness	Variable, depends on application technique (typically 5 – 100 nm)
Solvent and Chemical Resistance	High

### Features

- Improved adhesion strength of adhesive on metal surfaces
- Excellent chemical bonding to many metal surfaces
- Does not out gas.
- Does not change the appearance of the surface
- No Stress build-up on the substrates.
- Treated surfaces are very stable (if stored in typical office/lab conditions)
- Easy wipe application.

### Application Ideas

- Use as a primer layer for organosiloxanes/organophosphonates
- Improved bonding of silane (high temperature) over-mold compound

### Application Protocol

#### Surface Preparation/ Cleaning:

Ensure that the surface is free of any grease, fingerprints, adhesive residues or dirt (*i.e.*, water break free). This can be accomplished by first degreasing the surface with IPA or other solvents as instructed below.

## Treatment Application:

### Wipe:

- 1) Clean the location where the adhesive weight is intended to be mounted with an isopropanol (IPA) wipe to remove any dust or other surface contamination.
- 2) Use the Aculon wipe and thoroughly apply with pressure to the location where the adhesive weight is intended to be mounted.
- 3) Wait at least 30 seconds for Aculon treatment to dry then wipe the wheel with a clean dry towel to remove any residue. This is a critical process step to ensure good adhesion. Excess material may not be visible by eye.
- 4) Place adhesive balance weight on intended location applying moderate pressure and hold for at least 5 seconds to ensure good adhesion.

**Equipment Cleaning:** Clean all equipment with alcohol (e.g., Isopropanol)

## Safety, Handling, Storage, Shelf Life:

Store in a cool (~25°C) and dry area, and keep away from direct sunlight. See this product's SDS for proper handling and fire hazard data. 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](http://www.aculon.com).

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