



— Clean Every Time —

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## TECHNICAL DATA SHEET

### PRODUCT: AV-150 LF

#### GENERAL DESCRIPTION

AV-150LF is an ultra-high-performance liquid, low foaming, acidic cleaner and brightener designed to be used in the Step 1 application of two-step truck wash systems. AV-150 includes a blend of highly effective, yet safe acids to remove oxidation from aluminum surfaces such as fuel tanks and rub rails. AV-150 also includes a chemical surfactant cleaning system that effectively loosens and helps remove difficult inorganic road films. When followed by one of our Step 2 alkaline cleaning products a 2-step cleaning system is created that is unbeatable in the fleet wash industry.

#### OPERATING RECOMMENDATIONS

Dilutions are approximate and may be varied:

For Step One Cleaning Dilute 1:120 – 1:60

For Manual Aluminum Brightening Dilute 1:40 – 1:20

**\*Do not allow cleaning solution to dry on the surface. Work from bottom up with application and rinse thoroughly. To avoid streaks, keep cleaning solution off trailer roof and rinse adequately.**

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### SPECIFICATIONS

Form:	Blue, liquid
Odor:	Acidic, Solvent
Specific Gravity:	1.06
Acidity:	High
pH @ 3%:	2.0-3.0

### CONTROL

1. Fill graduated vial to the 10ml mark with the solution to be tested.
2. Add 3 drops phenolphthalein indicator solution. Swirl to mix.
3. Titrate dropwise using 0.1N Sodium Hydroxide swirling to mix until all light pink endpoint is achieved counting each drop.
4. Number of drops to reach light pink color x 0.29% = % concentration AV-150LF.

### SAFETY STATEMENT

**Caution: Highly Acidic Liquid.** Contains Urea Hydrochloride and Hydrofluoric acid. In undilute form can burn skin and eyes on contact. Harmful if swallowed. Do not take internally. For eye contact, immediately flush eyes with water for 15 minutes holding eyelids apart. Get immediate medical attention. For skin contact, immediately flush with water until no chemical can be felt on skin (slickness disappears). Treat symptoms, get medical attention if necessary.

Open drums slowly to vent. Handle with proper PPE including rubber gloves, eye protection, rubber apron and rubber boots. Avoid breathing vapor or mist. **DO NOT add this product to caustics.** CONSULT SDS FOR COMPLETE SAFETY INFORMATION.

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