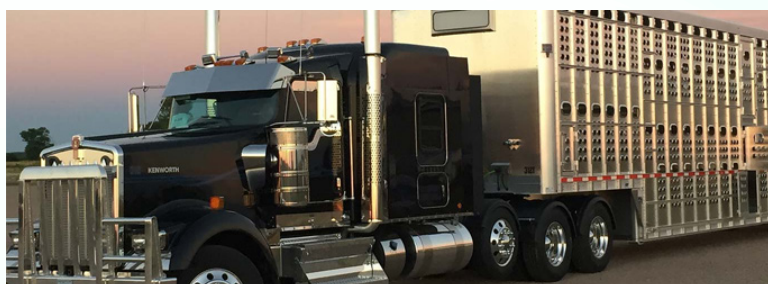




# CROWN™

## Technical Data Sheet

# ALUMINATE™



## Fast-Acting Heavy Duty Foaming Aluminum Cleaner & Brightener for Brushless Trailer and Wheel Cleaning

Heavy duty foaming acidic detergent formulated for brushless cleaning and brightening of aluminum trailers and wheels. Contains a powerful acid blend which immediately penetrates and removes oxidation, diesel smoke stains, carbon residue, brake dust and soil and grease accumulations. Instantly restores the original shine of aluminum. Formulated for use on trailers, trucks, wheels, aluminum siding, tanks and similar satin-finished aluminum surfaces. High foaming for prolonged cling on truck trailers and other vertical surfaces. Rinses completely. Also an excellent cleaner and descaler for Kemlite wall surfaces found in most in car washes, as well as carwash equipment.

### Directions for Use

Contains Hydrofluoric Acid. DO NOT use on, or allow this product to contact, PVD coated metals, anodized surfaces, polished metal surfaces (aluminum or stainless steel), painted surfaces, aluminum or magnesium wheels or wheel covers, soft metals (zinc, galvanized, tin, etc.), aircraft surfaces or materials. Avoid contact with glass, fiberglass and ceramic surfaces. If this product or solutions should contact these surfaces, immediately flush with water. Do not allow product or solutions to dry on surfaces. Repeated use may cause etching of metal and concrete surfaces.

Before use, test product in an inconspicuous area to assure compatibility with surface.

**Trailer and Surface Pressure Washing:** Inject this product at 30-50:1 through pressure washing equipment using hot water (>140°F). For best results, apply solution at low pressure to dry surfaces--do not pre-wet. Use foam generating equipment for improved cling on trailer walls and other vertical surfaces. Follow equipment manufacturer's directions for application procedures. Allow several minutes for detergent to brighten surfaces and penetrate soils, then rinse with hot, high-pressure water. Rinse overspray areas as well. On truck panels, work from the bottom up. Do not allow chemical to dry on surfaces, especially glass.

**Manual Trailer and Surface Cleaning:** For brush cleaning of truck trailers, dilute 2-4 ounces of this product per gallon of hot water. Using a soft, natural bristle brush, apply solution to surfaces, agitate, then rinse promptly. Work in small areas at a time to prevent chemical from drying on surfaces. Keep product off of trailer roof.

**Manual Wheel Cleaning:** For manual cleaning and brightening of chrome, clear coated and mag wheels or hub caps, dilute 32 ounces of this product per gallon of hot water (4:1 ratio). Spray directly onto wheels with a coarse spray pattern (avoid mist-type sprayers). Allow 30-60 seconds for soil penetration and oxidation removal. Agitate with a spoke brush as needed, then rinse wheel and surrounding surfaces completely with clean water. Do not allow to dry on wheels.

**Automatic Wheel Cleaning:** For automatic cleaning and brightening of wheels in tunnel car washes, apply this product at a dilution rate of 10-20:1 (6-12 ounces per gallon). Follow equipment manufacturer's directions for application procedures. Promptly follow application with scrubbing and thorough rinsing. Do not allow solution to dry on wheels.

**Wall Cleaning:** To clean walls and equipment in car washes, 4-8 ounces of this product per gallon of warm water. Foam generating equipment is recommended for application on walls, ceilings, wash equipment or other vertical surfaces. Follow equipment manufacturer's directions for application procedures. For floors, apply solution liberally to surface with a mop or pressure washer. Scrub or agitate with a mop or deck brush to improve soil removal. Allow solution several minutes to remain on surface to penetrate and dissolve soils. Rinse away solution with a clean mop and water. Allow to air dry.

### Safety Reminder

Consult product label and Safety Data Sheet (SDS) before use. SDS's may be downloaded from [www.crown-chem.com](http://www.crown-chem.com).

### Technical Specifications

|  |                        |
|--|------------------------|
| Appearance                             | Green Liquid           |
| Odor                                   | Characteristic         |
| pH (1% solution, 22°C)                 | <2.0                   |
| Foaming                                | High                   |
| Flash Point                            | None                   |
| Bulk Density (lbs/gal, 22°C)           | 9.13±0.1               |
| Stability Range                        | 50-100°F               |
| Free Alkalinity (as Na <sub>2</sub> O) | None                   |
| Solubility (in H <sub>2</sub> O, 22°C) | 100%                   |
| Acid Type(s)                           | Hydrofluoric, Sulfuric |

### Product Number

86705  
86715  
86730  
86755

### Packaging

5 gal. pail  
15 gal. drum  
30 gal. drum  
55 gal. drum



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