



CROWN™

Technical Data Sheet

LUMINOUS™



Heavy Duty Foaming Wheel & Aluminum Cleaner & Brightener for Chrome, Magnesium, Aluminum, and More

A foaming acidic detergent formulated to clean, brighten and deoxidize aluminum, magnesium, chrome, stainless and other metal surfaces. Ideal for wheels, diamond plate surfaces, tanks, piping, equipment, HVAC coils, trailers, and boats (pontoons, canoes, etc.). Contains a powerful acid blend which penetrates and removes oxidation, carbon residue, brake dust and soil and grease accumulations. Restores the original shine of aluminum, stainless, chrome and magnesium. High foaming for prolonged cling on vertical surfaces.

Directions for Use

Contains Hydrofluoric Acid. DO NOT use on, or allow this product to contact, PVD coated metals, polished uncoated aluminum or anodized wheels or other surfaces. Use with caution on painted surfaces and soft metals (zinc, galvanized, tin, etc.). Do not use on aircraft surfaces or materials. Do not allow this product to dry on glass, fiberglass or ceramic surfaces. If this product or solutions should contact these surfaces, immediately flush with water. Before use, test product in an inconspicuous area to assure compatibility with surface.

Recommended Dilutions:

Aluminum Dilute 6-10 ounces per gallon of warm water (13-21:1 ratio)
 Chrome-Plated Dilute 32-64 ounces per gallon of warm water (1-2:1 ratio)
 Magnesium Dilute 4-8 ounces per gallon of warm water (16-32:1 ratio)
 Stainless Dilute 4-8 ounces per gallon of warm water (16-32:1 ratio)

Manual Wheel Cleaning: Prewet tire with cool water. Spray diluted solution 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.

Pressure Washing: Dilute product with hot water at dilution rates recommended above. Apply 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. For vertical surfaces, such as tanks or truck walls, work from the bottom up. Do not allow chemical to dry on surfaces, especially glass.

Manual Cleaning: For brush cleaning of metal surfaces, apply solution to surface using a soft, natural bristle brush. Scrub surfaces well, allow several minutes contact time to penetrate soils, then rinse completely. Work in small areas at a time to prevent chemical from drying on surfaces.

Safety Reminder

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

Technical Specifications

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| Appearance | Colorless Liquid |
| Odor | Characteristic |
| pH (1% solution, 22°C) | <2.0 |
| Foaming | High |
| Flash Point | None |
| Bulk Density (lbs/gal, 22°C) | 9.95±0.1 |
| Stability Range | 50-100°F |
| Free Alkalinity (as Na ₂ O) | None |
| Solubility (in H ₂ O, 22°C) | 100% |
| Acid Type(s) | Phosphoric, Hydrofluoric |

Product Number

86641
 86605
 86615
 86630
 86655

Packaging

4x1 gal. case
 5 gal. pail
 15 gal. drum
 30 gal. drum
 55 gal. drum

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