



CROWN™

Technical Data Sheet

SPITFIRE™



Premium High-pH Foaming Presoak & Pressure Wash Detergent for Friction & Touchless Car Washes

A high performance powdered alkaline presoak detergent for use in car washes and pressure washing applications. Removes road film, oil, grease, silt, clay, dust, soot and other organic soils from automotive surfaces. Designed to be used in combination with an acidic presoak as a two-part system for superb removal of organic and inorganic soils typically found on automotive surfaces. Very high foaming for increased contact time on vertical surfaces and improved cleaning performance. Contains a special blend of chelants, alkalis and foam additives for rapid soil penetration and emulsifying. Improves the performance of clear coat protectants and drying agents by removing accumulated soil. Ideal for use in touchless and friction car washes as well as self-serve operations. May also be used with portable pressure washing equipment.

Directions for Use

This product is designed to be used in conjunction with an acidic presoak as part of a two-component cleaning process. **Mixing Instructions:** Prepare a premix by diluting 13-16 ounces of this product per gallon of hot water (4-5 lbs per 5 gallon pail; 44-55 lbs per 55 gallon drum). Mix vigorously for 10+ minutes until powder is completely dissolved. Longer mixing times will be needed for warm or cold water, or for low agitation. Failure to completely dissolve this product may result in clogged injector tubes, spray hoses or spray nozzles.

Use Instructions: For best results, first apply a solution of an acidic presoak to the vehicle surface through low pressure foaming equipment. Apply to dry surface - do not pre-wet. Consult product label for dilution rates. Follow promptly with an application of this product, again through low pressure foaming equipment. For friction operations, premix should be applied at a dilution rate of 128-256:1 (1-2 ounces per gallon). For touchless operations, apply premix at a dilution rate of 256-512:1 (2-4 ounces per gallon). Adjust dilution as required to achieve acceptable results. Use foaming equipment and spray nozzles to thoroughly coat all vehicle surfaces with detergent solution. Rinse completely with hot, high-pressure water (1,000 psi or higher). Follow with application of clear coat protectant, drying agent, etc. Do not allow solutions to dry on automotive surfaces.

For Use as a Pressure Wash Detergent: Prepare a premix solution as instructed above. Apply premix at a feed rate of 2-8 ounces per gallon of hot water (16-64:1 ratio). Dilutions will vary according to soil level. Apply solution at low pressure to dry surfaces. Use foaming spray nozzles or foam aeration for maximum cling on vertical surfaces. Allow several minutes contact time to improve soil penetration, keeping surface wet. Brush, scrub or agitate to loosen soils, then rinse with hot, high-pressure water (1,000 psi or higher). Do not allow solution to dry 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

Appearance	White Powder
Odor	Characteristic
pH (1% solution, 22°C)	<12.0
Foaming	Very High
Flash Point	N/A
Bulk Density (lbs/gal, 22°C)	10.00±0.1
Stability Range	N/A
Free Alkalinity (as Na ₂ O)	Very High
Solubility (in H ₂ O, 22°C)	100%
Phosphate Content	None

Product Number

81950
81901
81903

Packaging

50 lb. drum
100 lb. drum
300 lb. drum



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