

AUTO WASH DETERGENT – PHOSPHATE-FREE CAR SHAMPOO FOR PRESSURE WASHERS

STR-4012 Auto Wash is a professional-grade concentrated vehicle cleaning detergent developed for use in both automatic and manual car washing systems, including hot or cold water pressure washers. The product is engineered to rapidly loosen and lift dirt, road grime, dust, and surface residues from cars, trucks, buses, trailers, and similar vehicles without damaging sensitive exterior surfaces. Its low-foaming profile supports efficient rinsing and helps protect high-pressure pump systems from detergent buildup. In addition, its shine-enhancing system helps reduce water spotting and supports a cleaner, glossier finish on painted and polished surfaces. The product is suitable for professional fleet wash stations, vehicle detailing operations, and large-volume car wash systems.

Intended Use

The product is intended for professional vehicle exterior cleaning in manual, automated, and pressure-assisted washing systems. It is designed to remove road film, dust, dirt, and general traffic residues from vehicle surfaces while supporting efficient rinsing and improved surface appearance. It is suitable for industrial and commercial cleaning environments where consistent washing performance and surface safety are required.

Application Areas

The product may be used in manual or automated car wash systems, pressure washer setups using hot or cold water, fleet and truck wash stations, public transportation cleaning operations, car detailing centers, vehicle maintenance depots, dealerships, parking garage services, and marine or RV exterior cleaning applications. It is suitable for painted and polished vehicle surfaces when used as directed.

Product Advantages

The product rapidly loosens and removes dirt, road grime, dust, and other surface residues from vehicle exteriors. Its low-foaming structure supports clean, streak-free rinsing and helps reduce detergent buildup in high-pressure equipment. The shine-supporting system helps minimize water spots and improves gloss on painted and polished surfaces. The formula is phosphate-free and suitable for compliance-conscious industrial cleaning operations. It is appropriate for both hot and cold water systems, giving flexibility across different wash environments and equipment types.

FOR MORE INFORMATION, PLEASE CONSULT THE MATERIAL SAFETY DATA SHEET



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Directions for Use

Dilute the product at a ratio of 1:128, equivalent to 1 oz per gallon of water, under normal use conditions. Apply the diluted detergent from bottom to top using a sprayer, foam lance, or compatible wash application system. Allow the product to penetrate the soil, but do not let it dry on the surface. Rinse thoroughly from top to bottom with clean water. For heavy soil conditions, pre-treat the affected areas with a more concentrated solution if appropriate. Hot water pressure washers may improve cleaning performance and reduce detergent consumption. For industrial and commercial use only. Use appropriate protective equipment during handling and application.

Physical and Chemical Properties

Appearance: Clear to slightly hazy liquid

Odor: Characteristic

Form: Liquid

Foaming Level: Low

Solubility: Fully soluble in water

VOC Content: 0.004%

Phosphate Content: Phosphate-free

Surface Compatibility: Painted and polished vehicle surfaces

Application Type: Vehicle wash detergent for manual, automatic, and pressure washer systems

Packing

Available in a range of packaging options from 500 ml up to 20 L, depending on customer preference, product type, and filling requirements. Custom packaging, private label, private label manufacturing, and contract filling options are available upon request for wholesale and professional distribution needs.

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Storage Conditions

Store in the original, tightly closed container in a cool, dry, and well-ventilated place. Recommended storage temperature is 5–30°C. Protect from direct sunlight, frost, and excessive heat.

Safety Information

For industrial and commercial use only. Use appropriate protective equipment during handling and application. Avoid contact with eyes and prolonged skin contact. Do not mix with other cleaning chemicals unless compatibility has been confirmed. Keep out of reach of unauthorized persons and children. Refer to the Safety Data Sheet (SDS) for detailed information on safe handling, storage, first aid measures, and disposal.

General Information

The information provided in this Technical Data Sheet is based on current knowledge and practical experience. It is intended as a general guideline for product application, handling, and storage, and does not constitute a guarantee of performance under all conditions of use.

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