

ADDITIVES INC.

Industrial Chemical Products

Additives Inc. has developed performance products for specialized uses, working in conjunction with leading companies in the markets involved to solve specific problems related to the existing functional products. Results of these efforts include a family of superior dust suppressants especially well suited for use with coking coal, and a series of high-quality toilet chemicals for the railroad, bus, train, airline, and portable toilet industries.

One-Step Rail Car Cleaner Benefits

- Extra heavy-duty cleaner
- Biodegradable
- One-step spray application
- Quickly emulsifies and dissolves thick coatings of oil and grease, road film, scale, soot, and grime
- No hazardous ingredients
- Does not damage paint and decals

Quality Control

Each individual batch is tested for conformance with product and industry specifications prior to storage, packaging, or shipment. This laboratory analysis is thoroughly conducted by Additives Inc. A Certificate of Analysis for each lot is produced and available to customers.

Technical Contact Information

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One-Step Rail Car Cleaner

Product Description and Applications

One-Step Rail Car Cleaner is simply the coal hopper car cleaner on the market. One-Step does not rely on aggressive acids and alkalis for its effectiveness, but rather on a unique blend of non-hazardous proprietary surfactant and performance-enhancing additives. As a result, grease, oil, road film, soot, grime, scale and dirt are dissolved quickly and thoroughly without damaging underlying paint and decals. One-Step works well on tank cars, box cars, and locomotives, as well as on coal cars. When used in conjunction with GraffitiGone and/or Aluminum Brightener, it can make your rail cars look like new again.

Designed for spray application followed by a water rinse, all at moderate pressure, One-Step usually does the job without brushing, scraping, or wiping. It is biodegradable, and not classified as hazardous by the DOT.

Based on the proprietary surfactant technology, One-Step Rail Car Cleaner was specifically formulated for removing the types of dirt commonly found on coal hopper cars. It contains additives which provide greater adhesion to vertical surfaces for increased contact time with dirt and grime, and additional ingredients for rapid penetration of heavy deposits. One-Step is particularly effective at quickly emulsifying and dissolving thick coatings of carbon, soot, oil and grease, and also readily removes road film, scale, soot, and grime.

One-Step exhibits a low level of aggressiveness to human skin and will not dull painted surfaces if rinsed off in a reasonable period of time. Run-off from equipment cleaned with One-Step is usually of low to moderate alkalinity and can be neutralized, if necessary, with a small amount of acid.

One-Step is a moderately alkaline aqueous solution of surfactants, builders, complexing agents, anti-redeposition additives, and corrosion inhibitors. It contains no solvents, glycol ethers or acids, and while mildly alkaline it contains no excess caustic. Perhaps the most impressive feature of One-Step is its ability to quickly emulsify and dissolve thick coatings of oil and grease; and if allowed to remain undisturbed for 5-10 minutes the grease/oil phase will demulsify and float to the top. However, it also readily removes road film, scale, soot, and grime, making One-Step the most versatile and powerful heavy-duty cleaning product available.

See Use Instructions for proper use of One-Step Rail Car Cleaner.

Product Specifications

Color	Clear liquid
pH	10.0-11.5
Specific Gravity	1.028-1.040
Flash Point	None
Foaming Level	Moderate
Freezing Point	25° F