

ALUMINUM BRIGHTENER, COMPLEX ION SOLUBLIZER

DESCRIPTION AND USE

HD Sabre is a non-hydrofluoric acid, biodegradable general purpose cleaner. HD Sabre is used to clean aluminum, stainless steel truck bodies (non-coated), and the floors of food trailers. The product is safe around glass when at use dilutions. When HD Sabre is used properly, cleaning leaves a nice shine. This product will remove many kinds of mineral, metal, and food stains or buildups. It is an excellent cleaner on fiberglass, tile, and porcelain and the metal finishes commonly found in wash areas. Over time, HD Sabre improves safety and efficiency when cleaning the floors of food trailers.

ADVANTAGES

- * Contains no hydrofluoric acid
- * HD Sabre will not etch glass if it dries at use dilutions.
- * Safe for people and paint
- * Brushless cleaning on aluminum
- * Leaves antioxidant coating
- * Reclaim friendly

LIMITATIONS

- * Do not use on chrome.

TECHNICAL DATA

Appearance & Odor: Clear liquid, mild odor.

Physical State: Liquid

pH: <2.0

Vapor Pressure (mmHg): N/A

Vapor Density (air=1): N/A

Boiling Point: 210° F

Freezing/Melting Point: N/A

Specific Gravity (water =1): 1.09

Evaporation Rate: N/A

Solubility in Water: Complete

SURFACE & AIR TEMPERATURES

Excessively high or low temperatures will produce poor results and possible harm. Best cleaning results are obtained when air and surface temperatures are 40° Fahrenheit or above. Do not clean when temperatures are below freezing or will be overnight. If freezing conditions exist, allow adequate time for surface to thaw. If air temperatures exceed 90° Fahrenheit, flash cool the surface with water before applying product. Do not allow products to dry on the surface. Always rinse thoroughly while still wet.

PRE-TESTING

Always test prior to beginning full-scale cleaning operations. Testing should confirm cleaning effectiveness on each type of surface and stain designated to be removed. Testing also determines the desired dwell time and any potential for adverse reactions with adjacent materials. Allow test panels to dry thoroughly before evaluating final appearance and results.

DILUTION

First cut at 2:1 to make product ready to use then follow the dilution ranges listed below. Apply using pressure washer up or down stream or low pressure spray applicator.

- 1:1 - 20:1 on aluminum

- 10:1 - 20:1 (non-coated) stainless steel

Note: Dilutions will vary based on the severity of the stain and type of surface.

SUITABLE SUBSTRATES

Aluminum, (non-coated) stainless steel, fiberglass, tile, porcelain

APPLICATION INSTRUCTIONS

The product is best applied through a pressure washer using either low or high pressure. Apply the product to the surface twice, with a minimum of two minute dwell time in between. Soak for several minutes then rinse. Craftsmanship determines the appropriate pressures for rinsing. A thorough rinse job is always recommended, however, our chemistry never requires flooding a wall. Pressures that mark or damage the surface should be avoided. When in doubt, follow the manufacturers recommended P.S.I. for the substrate on which you are working. Exceptionally dirty surfaces that have not been washed for a long period of time may require a few applications. Mopping or scrubbing with a brush is acceptable method of application. The product will not harm paint or glass of a vehicle. It is recommended not to let soaps dry on the surface.

SAFETY INFORMATION

Precautionary Measures: Always wear goggles and rubber gloves when handling this product. Keep off of skin and clothing. If material comes in contact with clothing, wash before reuse. The product contains Hydrochloric Acid. Do not get in eyes, on skin or clothing. Avoid breathing fumes. Keep container closed when not in use. Use with adequate ventilation.



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Applicators should wear boots, gloves, face shields and/or goggles to avoid splash to bare skin and eyes. Dispose of empty containers according to federal, state, and local requirements. Do not use for any other applications other than specified. Do not remove label. Read Material Safety Data Sheet for additional safety and health hazard information prior to use.

SPILL OR LEAK PROCEDURES

Check with the state, local, or federal regulations for waste disposal methods in the area. Wear proper protective equipment while doing cleanup. For large spills, dike and contain for intended use. For small spills, use a chemical absorbent product and place in approved container for disposal.

CONTAINER HANDLING/STORAGE

Store the product in a cool dry place away from alkali / base. Do not allow this product to freeze. Vent bung cap before opening. Keep container tightly closed when not in use. Wash thoroughly after handling. Empty containers retain residue and vapors and must be handled as if full. Completely rinse drum prior to disposal. Keep container closed when not in use. Store the product in containers with Viton seals or silicon sealant gaskets.

INSTRUCTIONS IN CASE OF CONTACT OR EXPOSURE

Eyes: Flood with water for fifteen minutes. If irritation persists, call physician.

Skin: Wash off with soap and water. If irritation persists, use a good emollient.

Inhalation: Remove to fresh air.

Ingestion: Drink large amounts of water. Do not induce vomiting. Seek medical attention.

NOTICE

This product has been classified in accordance with the hazard criteria of the CFR.

DISCLAIMER

The information herein is given in good faith, but no warranty, either expressed or implied, is made. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein we cannot be sure or guarantee these are the only hazards which exist.

CUSTOMER SERVICE

Factory personnel are available for assistance at 800-313-8505 and will send you additional information on products as necessary.

