

## SPEC DATA SHEET

HD Sabre is used to clean aluminum and non-coated stainless steel truck bodies, and the floors of food trailers. HD Sabre is safe on glass when used as directed. HD Sabre will remove many kinds of mineral, metal, and food stain build-ups, and will leave a nice shine when used properly. HD Sabre is an excellent cleaner on fiberglass, tile, porcelain, and the metal finishes commonly found in wash areas. HD Sabre is sold as a concentrate and ships not regulated by the D.O.T.

**ADVANTAGES**

- Will not etch glass when used as directed
- Contains no hydrofluoric acid
- Brushless cleaning on aluminum
- Removes oxidation
- Safe on most painted surfaces
- Biodegradable and reclaim friendly

**LIMITATIONS**

- Should not be used on chrome
- Diamond Deck can blush, even when using this product at high dilutions. Adequate testing is required.

*\*For information about soft metals, please see our soft metal Issue Statements at our website for more complete guidance.*

**TECHNICAL DATA**

Appearance:	Pale yellow color
Odor:	Pleasant scent
Physical State:	Liquid
pH:	<2.0
Boiling Point:	>212° F
Specific Gravity (water=1):	1.09 @ 77° F
Evaporation Rate:	N/D
Solubility in Water:	Complete
Flash Point:	N/D
Viscosity	Water thin
Decomposition Temp:	N/D
Oxidizing Properties:	N/D

**PREPARATION**

Protect adjacent surfaces not intended to be cleaned from exposure to the cleaning solution. Avoid direct

contact with foliage. Avoid wind drift on surrounding surfaces as well as auto and pedestrian traffic.

**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 above 40° Fahrenheit or less than 90° Fahrenheit. 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. Pre-testing will determine suitability and effectiveness on each type of surface and stain designated to be cleaned. Pre-testing will also determine dwell times and number of applications required to achieve desired results. Pre-testing will show any potential or adverse reactions to adjacent surfaces. Allow test areas to thoroughly dry before evaluating final appearance and results.

**SAFETY INFORMATION**

Always wear goggles and chemical resistant gloves when handling this product. Read the Safety Data Sheet for additional safety and health hazard information prior to use. Do not get in eyes, on skin, or on clothing. Do not wear contact lenses when using this product. If material comes in contact with clothing, wash before re-use. Do not dilute this product with any other product except clean water. Do not use any other application other than specified in the application instructions. Keep container closed when not in use. Use with adequate ventilation. Use NIOSH/MSHA approved respiration devices when adequate ventilation is not available. Though the potential for fuming is minimal, take precautions to avoid exposing building occupants to fumes. Do not remove the label from the container. Dispose of empty containers in accordance with federal, state, and local requirements.

**CAUTION: KEEP AWAY FROM CHILDREN**

## SPEC DATA SHEET

**CHEMTEL 24 HOUR EMERGENCY RESPONSE SERVICE NUMBER - 1-800-255-3294****DILUTIONS**

First dilute 2 parts water to 1 part HD Sabre to make ready to use Sabre. Then follow the dilution ranges below:

- 1-20 parts water to 1 part Sabre for aluminum
- 10-20 parts water to 1 part Sabre for non-coated stainless steel

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

**COVERAGE RATES**

Coverage rates will vary based on dilutions, porosity severity of stain, application method, and other factors. Proper testing will determine actual coverage rate.

**APPLICATION INSTRUCTIONS**

1. Sabre is best applied using a pressure washer - up or down stream; or, a low pressure spray applicator
2. Apply Sabre to the surface twice with a two minute dwell time between applications (do not rinse)
3. Exceptionally dirty surfaces that have not been washed for extended periods of time may require multiple applications.
4. Allow product to soak for several minutes then follow rinsing procedures

**RINSING**

Proper rinsing techniques determine the final look and quality of the job. A thorough rinse job is always recommended. Sabre can be rinsed using cold water and low pressure. Pressures that mark the surface should be avoided. When in doubt, follow the manufacturers recommended P.S.I. for the substrates.

**Do not use a zero-degree nozzle.**

**Caution: Do not allow the product to dry on a surface.**

**SPILL OR LEAK PROCEDURES**

Check with state, local, or federal regulation for waste disposal methods in the area. Wear proper protective equipment while doing clean-up. For large spills, dike and contain for intended use. For residual, use a chemical absorbent material. For small spills, use a chemical absorbent material and place in an approved container for disposal.

**CONTAINER HANDLING/STORAGE**

Store product in a cool, dry place away from alkali-based materials. Vent the bung cap before opening. Keep container tightly closed when not in use. Wash thoroughly after handling. For best results, liquid should be 32° F or higher prior to use.

**INSTRUCTIONS IN CASE OF CONTACT OR EXPOSURE**

**Eyes:** Flood with water for 15 minutes. If irritation develops, seek medical attention.

**Skin:** Wash off with soap and water. Follow with a good emollient. If irritation develops, seek medical attention.

**Ingestion:** Drink lots of water to dilute. Do not induce vomiting. Seek immediate medical attention.

**Inhalation:** Move to fresh air. If irritation develops, 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 Monday through Friday from 8am to 5pm EST at (724) 656-1055. Questions can also be sent to [info@eacochem.com](mailto:info@eacochem.com). A reply can be expected by the following business day.

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