

FOR PROFESSIONAL USE ONLY

## SPEC DATA SHEET

ABF Restoration is our version of an "Old Fashion" restoration. The gentler sister of Hydrofluoric Acid, ABF Restoration can provide similar cleaning results with decreased chance of damaging the surface. ABF Restoration is a powerful cleaner that can harm surfaces and people if not used as directed. Directions for use of ABF Restoration need to be followed because harm to surfaces and/or people can result.

### ADVANTAGES

- Spray on/rinse off application increases productivity.
- Can be used on hard-faced bricks, terra cotta and concrete.
- More effective than raw Hydrofluoric acid at removing black mineral stains from older surfaces.
- Works exceptionally well on clinker brick

### LIMITATIONS

- Precautions should be taken to avoid contact with glass or anodized aluminum as it may mark these surfaces.

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

### TECHNICAL DATA

Appearance:	Water white
Odor:	Strong acidscent
Physical State:	Liquid
pH:	≤1.5
Boiling Point:	>212°F
Specific Gravity (water=1):	1.10 @ 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 and surrounding building hardware not intended to be cleaned from exposure to the cleaning solution. Avoid direct contact with foliage. Cover landscape using plastic or wet the foliage with

water before and after cleaning. Avoid wind drift on surrounding surfaces as well as auto and pedestrian traffic. Test any painted aluminum frames.

### 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. Do not clean when temperatures are below freezing or will be overnight. If freezing conditions exist, allow adequate time for the 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. 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



EaCo Chem

**ABF**  
AMMONIUM BIFLUORIDE  
RESTORATION DETERGENT

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

### **DILUTIONS**

Dilutions will vary depending on type of surface and application. Testing will determine final dilution.

- 1 - 10 parts water to 1 part ABF Restoration for restoration work
- 8 - 20 parts water to 1 part ABF Restoration for lane cleaning or sidewalk cleaning without heavy oil stains.

\*\*Repeated use of ABF Restoration undiluted can harm surfaces. Use caution and common sense.

### **COVERAGE RATES**

Coverage rates will vary based on severity of build-up. Proper testing will determine actual coverage and dilution rate.

### **APPLICATION INSTRUCTIONS**

1. Apply ABF Restoration with a low pressure sprayer when cleaning porous hard brick or concrete.
2. For best results, use two applications, each with a 3-5 minute dwell time. Do not rinse between applications.
3. The first application penetrates the surface and the second application lifts the soil and/or stain out.

### **RINSING**

Proper rinsing techniques determine the final look and quality of the job. A thorough rinse job is always recommended. ABF Restoration should be rinsed using cold water. 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 everything 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 immediately. 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.

THE WAVE OF THE FUTURE