

## ALUMINUM BRIGHTENER

### DESCRIPTION AND USE

A hydrofluoric acid based aluminum brightener that leaves a soft shine. Brite 10 is a high strength cleaner that is safe on glass when used as directed. This blend is preferred for outdoor use where airborne particles are less of an issue in worker safety and OSHA compliance.

### ADVANTAGES

- \* Safe on glass when used as directed
- \* High strength cleaner

### LIMITATIONS

- \* Will remove oil polished finish from tanks.
- \* Will burn skin
- \* Do not allow to dry on the surface

### TECHNICAL DATA

Appearance & Odor: Pale amber, acrid odor.

Physical State: Liquid

pH: 1.0

Vapor Pressure (mmHg): N/A

Vapor Density (air=1): N/A

Boiling Point: 150°F

Freezing/Melting Point: N/A

Specific Gravity (water =1): 1.223

Evaporation Rate: As water

Solubility in Water: Complete

### PREPARATION

Protect adjacent and surrounding surfaces not intended to be cleaned. Cover foliage with polyethylene or other proven protective material. Glass does not need to be covered if rinsed quickly or neutralized prior to rinsing.

### SURFACE & AIR TEMPERATURES

Do not clean when temperatures are below freezing or are expected to be below freezing the night before cleaning. If freezing conditions exist prior to application, allow adequate time for surfaces to thaw. Best cleaning results are obtained when air and surface temperatures are 40° Fahrenheit or above.

### PRE-TESTING

Always test prior to beginning full-scale cleaning operations. Testing should confirm cleaning effectiveness.

### DILUTION

First cut at 4:1 to make ready to use then follow the dilution range listed below. Apply using pressure washer up or down stream or low pressure spray applicator

-10:1 for difficult cleaning

-15:1 for general cleaning

-20:1 for routine cleaning

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

### APPLICATION INSTRUCTIONS

This product may be applied downstream through a pressure washer, a low pressure applicator, or by brushing. Brite 10 can be used as a two step product with Glory to give sheen to aluminum and paint. To avoid marking glass, use only the diluted product, followed with a neutralizer or a quick rinse as a precaution. Use the product alone to brighten aluminum and remove oxidation from non polished rails, frames, and trailer bodies. If product is brushed on, care must be taken to prevent run down onto skin. Rinsing is best accomplished with a pressure washer, as the acid is deep in the surface. If rinsing with a garden hose an alkaline neutralizer may be applied before rinsing. Brite 10 BC works well on both paint and fiberglass trailers too. Care should be taken around polished aluminum tanks.

**Note:** *Vaseline on the skin before spraying may help reduce redness but will not prevent acid burning.*

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

### SAFETY INFORMATION

Precautionary Measures: Hydrofluoric acid burns skin and under it as well. 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 Hydrofluoric Acid and Sulfuric Acid. Do not get in eyes, on skin or clothing. Avoid breathing fumes. Keep container closed when not in use. Use with adequate ventilation. Applicators should wear rain suit (plastic, rubber or PVC), boots and gloves, face shields and goggles to avoid splash to bare skin and eyes. MIOSH/MSHA approved respiration for use with Hydrofluoric acid. Dispose of empty containers according to federal, state and local requirements. Do not use for



## ALUMINUM BRIGHTENER

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.

### INSTRUCTIONS IN CASE OF CONTACT OR EXPOSURE

Eyes: Flood with water for fifteen minutes. Seek medical attention.

Skin: Wash off with soap and water. Immediate medical attention is required.

Inhalation: Remove to fresh air. If irritation persists, seek medical attention.

Ingestion: Drink copious amounts of water. Do not induce vomiting. Immediate medical attention is needed.

### 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 vinton seals or silicon sealant gaskets. The product must be stored in a closed container as it will gas off and lose potency to the air over time.

### 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.

