



MATERIAL SAFETY DATA SHEET  
ETCH & CLEAN

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**SECTION I - PRODUCT IDENTIFICATION**

Manufacturer's Name: American Building Restoration Products, Inc.  
9720 S. 60th Street  
Franklin, WI 53132

Emergency Phone No.: Chemtrec 1-800-424-9300

Product Trade Name: Etch & Clean  
**DOT Proper Shipping Name:** Hydrochloric Acid Solution  
8 UN1789 PG II

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**SECTION II - HAZARDOUS INGREDIENTS**

|                   | CAS NO.   | Amt(%) | OSHA PEL    | ACGIH TLV |
|-------------------|-----------|--------|-------------|-----------|
| Hydrochloric Acid | 7647-01-0 | >10    | TWA CL 5ppm |           |

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**SECTION III - PHYSICAL DATA**

Boiling Range: Approx. 212°F.-230°F.  
Vapor Pressure: 32% @ 20°C = 28mm  
Evaporation Rate (Ethyl Ether = 1): Not Known  
Percent Volatile By Volume: 75%  
Vapor Density (AIR = 1): N/A  
Specific Gravity (Water = 1): 1.1  
Solubility: Infinite  
Appearance/Odor: Clear to Semi-Clear Pink  
with Strong Odor

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**SECTION IV - FIRE AND EXPLOSION HAZARD**

UFL (% By Volume): N/A LFL (% By Volume): N/A  
Flash Point: None  
Extinguishing Media: Water, Foam, Dry Chemical or CO<sub>2</sub>. This product is non-flammable.

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**SECTION V - HEALTH HAZARD DATA**

Effects of Over Exposure:  
EYES: Causes severe irritation and painful burns to the eyes and the eyelids. If not quickly removed by thorough irrigation with water, there may be prolonged or permanent visual impairment of total loss of sight.



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SKIN: Concentrated solutions are destructive to clothing and, on contact with skin, cause severe burns unless promptly washed off. Repeated skin contact with dilute solutions may lead to the development of dermatitis.

INHALATION: Vapors can produce severe irritation of the upper respiratory tract, resulting in coughing, burning of the throat, and a choking sensation. If inhaled deeply, edema of the lungs may occur.

INGESTION: When concentrated hydrochloric acid is swallowed, it causes severe burns of the mucous membranes of the mouth, esophagus, and stomach. The lips and mouth usually turn white and later brown. There is pain in the throat and stomach, difficulty in swallowing, intense thirst, nausea and vomiting, followed by diarrhea and in severe cases, by collapse and unconsciousness.

## EMERGENCY AND FIRST AID PROCEDURES

EYES - Immediately flush eyes with large quantities of water for at least 20 minutes. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eyes and lids. Do not attempt to neutralize with chemical agents. Obtain medical attention at once.

SKIN: Immediately remove contaminated clothing under safety shower. Flush all affected areas with large amounts of water for at least 15 minutes. Do not attempt to neutralize with chemical agents. Get medical attention at once.

INHALATION: Remove from contaminated atmosphere to fresh air. If breathing has ceased, clear the victim's airway and start mouth-to-mouth artificial respiration, which may be supplemented by the use of a bag mask respirator or a manually triggered oxygen. Call a physician immediately.

INGESTION: DO NOT INDUCE VOMITING. Immediately give large quantities of water or Milk. If vomiting does occur, give fluids again. Never give anything by mouth to an unconscious person. Call a physician immediately.

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**SECTION VI - REACTIVITY DATA**

Stability: Stable

Conditions to Avoid: If this product is allowed to come in contact with various metals, its corrosive nature will cause a reaction and hydrogen will be evolved. This can develop into a dangerously explosive situation in combination with the air.

Hazardous Combustion or Decomposition Products: N/A



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Hazardous Polymerization: Will not occur

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**SECTION VII - SPILL OR LEAK PROCEDURES**

Steps to be taken in case material is released or spilled: Contain spill, stay upwind, wear protective clothing and self-contained breathing apparatus. Flood area with large amounts of water, neutralize if necessary with soda ash or limestone. Provide ample ventilation during cleaning period.

WASTE AND DISPOSAL METHOD: Contact local municipal, state, or federal agencies to ensure compliance of disposal method with current regulations.

NOTE: Empty containers can have residues, gases or mists and are subject to proper waste disposal.

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**SECTION VIII - SAFE HANDLING AND USE INFORMATION**

RESPIRATORY PROTECTION: Wear NIOSH/MESA approved respirators in enclosed areas if acceptable TLV values cannot be maintained by means of local ventilation.

VENTILATION: Use adequate ventilation.

PROTECTIVE CLOTHING: Wear impervious clothing, gloves, and footwear where splattering of the material may occur.

EYE PROTECTION: Use chemical safety goggles and/or a face shield.

Other Protective Equipment: Chemical apron, safety showers and eye wash station.

HYGIENIC PRACTICES: Wash hands before eating, smoking or using restroom.

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**SECTION IX - SPECIAL PRECAUTIONS**

Precautions to be taken in Handling and Storing: All containers should be stored away from highly flammable substances such as oil, gasoline, paint waste and other potential fire hazards. Store away from oxidizing agents such as nitric acid and chlorates. Do not store near heating devices or in direct sunlight.

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**SECTION X - PREPARATION OF MSDS**

Occupational Health & Safety Dept.

Date: 3/19/92

Supersedes: 11/25/85

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**DISCLAIMER**



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The information contained herein is based on the data available to us and is believed to be correct. However, American Building Restoration Products, Inc. makes no warranty, expressed or implied regarding the accuracy of this data or results to be obtained from the use thereof. American Building Products, Inc. assumes no responsibility for injury from the use of the product described herein.

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