



MATERIAL SAFETY DATA SHEET
801 HEAVY DUTY MASONRY CLEANER

SECTION I PRODUCT IDENTIFICATION

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

Emergency Phone No.: Chemtrec 1 800 424 9300

Product Trade Name: 801 Heavy Duty Masonry Cleaner
DOT Proper Shipping Name: Hydrofluoric Acid Solution,
8 UN1790 PG II

SECTION II HAZARDOUS INGREDIENTS

ACGIH TLV	CAS NO.	AMT(%)	OSHA PEL
Hydrofluoric Acid 3ppm	7664-39-3	20-30	TWA3ppm
Sulfuric Acid mg/m3 8-hr TWA	7664-93-9	10-20	1 mg/m3 8-hr TWA 1
Phosphoric Acid 1 mg/m3; 3 mg/m3 STEL	7664-38-2	5-10	1 mg/m3 TWA

POISON! DANGER! CORROSIVE. EXTREMELY HAZARDOUS LIQUID AND VAPOR.
CAUSES SEVERE BURNS WHICH MAY NOT BE IMMEDIATELY PAINFUL OR VISIBLE.
MAY BE FATAL IF SWALLOWED OR INHALED. LIQUID AND VAPOR CAN BURN SKIN,
EYES AND RESPIRATORY TRACT. CAUSES BONE DAMAGE. REACTION WITH CERTAIN
METALS GENERATES FLAMMABLE AND POTENTIALLY EXPLOSIVE HYDROGEN GAS

Health Rating: 4 - Extreme (Poison)

Flammability Rating: 0 - None

Reactivity Rating: 2 - Moderate

Contact Rating: 4 - Extreme (Corrosive)

Lab Protective Equip: GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD;
PROPER GLOVES

SECTION III PHYSICAL DATA



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Appearance: Colorless, fuming liquid
Odor: Acrid odor. Do not breathe fumes
Solubility: Infinitely soluble
Density: 1.15 -1.18
pH: 1.0 (0.1M solution)
% Volatiles by volume @ 21C (70F): 100 (as water and acid)
Boiling Point: 108C (226F)
Melting Point: < -36C (< -33F)
Vapor Density (Air=1): 1.97
Vapor Pressure (mm Hg): 25 @ 20C (68F)
Evaporation Rate (Butyl Acetate=1): No information found.

SECTION IV FIRE AND EXPLOSION HAZARD

Flash Point: None TCC
Flammable Limits: N/A
Extinguishing Media: Water, dry foam, chemical etc.
Special Fire Fighting Procedures: Neutralize with alkaline based substances such as soda. Wear full protective clothing.
Unusual Fire and Explosion Hazards: Contact with common metals produces gas which may form explosive vapors.

SECTION V HEALTH HAZARD DATA

Threshold Value: See Section II
Effects of Over Exposure: Causes Burns. Inhalation of fumes results in coughing and choking.
EMERGENCY AND FIRST AID PROCEDURES:
SKIN: Flush with plenty of water and remove contaminated clothing.
INHALATION: Leave contaminated area and get plenty of fresh air. If not breathing apply artificial respiration, oxygen.
EYES: Rinse at once with plenty of water. Get medical attention at once.

SECTION IV REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Do not mix with alkaline products.
Incompatibility: Corrosive to most metals with evolution of hydrogen gas.



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Hazardous Decomposition Products: Hydrogen chloride vapors hydrogen.
Hazardous Polymerization: Will Not Occur.

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled. Stay upwind of spills. Enter spill area with self contained breathing apparatus and full protective clothing including boots (must be acid resistant clothing).

WASTE 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.

SECTION VIII SPECIAL PROTECTION INFORMATION

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Personal Respirators (NIOSH Approved):

If the exposure limit is exceeded, a full facepiece respirator with an acid gas cartridge may be worn up to 50 times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator.

WARNING: Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

Since the IDLH is low (30 ppm), the above cartridge system is not specifically approved for HF.

(3M Respirator Selection Guide)

Skin Protection:



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Wear protective clothing, including boots or safety shoes with polyvinyl chloride (PVC) or neoprene. Use chemical goggles and/or a full face shield. Wear coveralls with long sleeves, gauntlets and gloves of PVC or neoprene. A high degree of protection is obtained with an air-inflated suit with mask and safety belt. Use protection suitable for conditions.

Eye Protection:

Use chemical safety goggles and/or full face shield where splashing is possible. Maintain eye wash fountain and quick drench facilities in work area.

Other Protective Equipment: Rubber gauntlets, rubber apron and rubber boots.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing: Protect from physical damage to container. Keep container closed. Use common sense when handling products.

Other Precautions: None

SECTION X PREPARATION DATE OF MSDS

Occupational Health & Safety Dept.

Date: 7/20/07

Supersedes: 1/25/01

DISCLAIMER

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