



MATERIAL SAFETY DATA SHEET
ABR 2ND STEP CFS COPPER & BRASS BRIGHTENER

SECTION I - PRODUCT IDENTIFICATION

Distributed By: American Building Restoration Products, Inc.
9720 S. 60th St.
Franklin, WI 53132

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

Product Trade Name: ABR 2nd Step Copper & Brass Brightener

DOT Proper Shipping Name: Sulfuric Acid
8 UN1830 PG II

SECTION II - HAZARDOUS INGREDIENTS

	CAS NO.	Amt(%)	OSHA PEL	ACGIH TLV
Sulphuric Acid	7664-93-9	< 10	TWA 1 mg/m3	TWA 1 mg/m3
Chromic Acid	7738-94-5	< 15	TWA CL 100 ug	

SECTION III - PHYSICAL DATA

Boiling Point: 250°F.
Evaporation Rate: (Ethyl Ether = 1) <1
Specific Gravity: (Water = 1) 1.25
Melting Point: N/A
Viscosity: N/A
Solubility: Complete in Water
Appearance and Odor: Orange Odorless Liquid

SECTION IV - FIRE AND EXPLOSION HAZARD

Flash Point & Method: N/A
Flammable Liquids % Volume in Air: Lower - N/A Upper - N/A
Extinguishing Media: Water Spray, Dry Chemical, CO₂
Hazardous Decomposition Products: May liberate carbon monoxide, carbon Dioxide, and oxide Sulfur.
Fire and Explosion Hazards: Extinguish all nearby sources of ignition, since flammable hydrogen gas will be liberated from contact with some metals.
Hazardous Polymerization: Will Not Occur.
Stability: Stable

SECTION V - HEALTH HAZARD DATA

Inhalation: Vapors and mists are extremely corrosive to the nose,



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throat, and mucous membrane. Bronchitis, pulmonary edema, and chemical pneumonitis may occur. Irritation, coughing, chest pain and difficulty in breathing may occur with brief exposure, while prolonged exposure may result in more severe irritation and tissue damage. Breathing high concentrations may result in death.

EMERGENCY AND FIRST AID PROCEDURES: Remove to fresh air. Give artificial respiration if not breathing. Get immediate medical attention.

Eye Contact: Vapors, liquid, and mists are extremely corrosive to the eyes. Brief contact with vapors will be severely irritating. Brief contact with the liquid or mists will severely damage the eyes and prolonged contact may cause permanent eye injury which may be followed by blindness. Immediately flush eyes with lots of running water for 30 minutes, lifting the upper and lower eyelids occasionally. Get immediate medical attention.

Skin Contact: Vapors, mists, and liquids are extremely corrosive to the skin. Vapors will severely irritate the skin and liquid or mists will severely burn the skin. Prolonged liquid contact will burn and destroy surrounding tissue and death may accompany. Immediately flush skin with lots of running water for 30 minutes. Remove contaminated clothing and shoes, was before reuse. Get immediate medical attention.

Ingestion: Vapors, mists and liquid are extremely corrosive to the mouth and throat. Swallowing the liquid burns the tissues, causes severe abdominal pain, nausea, vomiting and collapse. Swallowing large quantities can cause death. DO NOT INDUCE VOMITING. If conscious, give lots of water or milk. Get immediate medical attention. Do not give anything by mouth to an unconscious or convulsing person.

SECTION VI - SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use a NIOSH approved canister respirator in the absence of adequate environmental controls at the point of use.

Eye Protection: Chemical goggles and full face shield.

Skin Protection: Acid-resistant slicker suit with rubber apron, rubber boots with pants outside and rubber gloves with gauntlets.

Inhalation: Local mechanical exhaust ventilation capable of maintaining emissions at the point of use below PEL.

SECTION VII - ENVIRONMENTAL PROTECTION



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Spill: Mop or wipe up and dispose of in D.O.T. approved waste containers. For large spills, containing by diking with soil or other absorbent material and carefully neutralize with soda ash or lime.

If soda ash is used, provide adequate ventilation to dissipate carbon dioxide gas. Keep non-neutralized material out of sewers, storm drains, surface waters and soil. Comply with all applicable governmental regulations on spill reporting, and handling and disposal of waste. Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material.

Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures.

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 and mists and are subject to proper waste disposal.

SECTION VIII - TRANSPORTATION AND STORAGE INFORMATION

D.O.T. Hazardous Material: Yes

D.O.T. Hazard Class: Corrosive

D.O.T. Shipping Name and Number: Sulfuric Acid Solution, Corrosive Material, UN1830

Storage: Store in a cool, dry place. Vent container carefully, as needed, to relieve pressure. Keep container tightly closed when not in use. Do not use pressure to empty container. Wash thoroughly after handling. Do not get in eyes, skin or on clothing. Do not cut, grind, weld or drill on or near this container.

Container, even those that have been emptied, will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full.

SECTION IX - PREPARATION DATE OF MSDS

Occupational Health & Safety Dept.

Date: 10/16/00

Supersedes: 12/07/93

DISCLAIMER

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, express or implied regarding the accuracy of this data or the results to be obtained from the use

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