

MATERIAL SAFETY DATA SHEET
ABR 50 RUST REMOVER

SECTION I - PRODUCT IDENTIFICATION

Manufacturer's Name: American Building Restoration
Products, Inc.

9720 S. 60th Street
Franklin, WI. 53132

Emergency Phone Number: Chemtrec 1-800-424-9300

Product Trade Name: ABR 50 Rust Remover

DOT Proper Shipping Name: Phosphoric Acid
8 UN1805 PG III

SECTION II - HAZARDOUS INGREDIENTS

	AMT(%)	OSHA PEL	ACGIH TLV
Orthophosphoric Acid 85%	65	1mg/m3	1mg/m3

SECTION III - PHYSICAL DATA

Initial Boiling Point: 130°C
pH: 1
Vapor Pressure: .03 MM HG @ 20°C
Vapor Density: Non-Volatile
Solubility in Water: Infinite
Specific Gravity: 1.5-1.7 (water=1)
Percent Volatiles: Non Volatile
Evaporation Rate: Non Volatile
Appearance and Odor: Clear, Colorless Liquid, No Odor

SECTION IV - FIRE AND EXPLOSION HAZARD

Flash Point: Non Combustible
Flammable Limits: N/A
Extinguishing Media: N/A
Special Fire fighting Procedure: Use full protective clothing and self-contained breathing apparatus. Thermal decomposition emits toxic fumes of oxides of phosphorus.

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Unusual Fire and Explosion Hazards: None

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value: See Section II

Effects of Over Exposure:

Chronic Exposure: Slightly toxic with repeated inhalation

Inhalation: Severe irritant, TLCO(Human)=100 mg/m³

Skin: Severe irritant, corrosive to tissue

Eye: Severe irritant, chemical burn likely

Ingestion: Slightly hazardous, LD50 (Rat)= 1530 mg/kg

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush with copious amounts of water for at least 15 minutes with

eyes forced open if necessary. If irritation persists, obtain medical attention.

SKIN: Wash off with water. If irritation persists, obtain medical attention.

INHALATION: Remove from exposure. If breathing is difficult or discomfort persists, obtain medical attention.

INGESTION: Do NOT induce vomiting. Drink copious amounts of water to cause dilution in stomach. Immediate dilution with water, milk or demulcents is worthwhile, but attempts to neutralize with a base should be avoided because of excessive gas and heat formulation which may increase the threat of esophagogastric preformation.

Vomiting and diarrhea (laxative effect of phosphates) are expected with large doses. Parental fluid administration may be needed if losses therefore are severe, or shock ensues.

Supportive care may be needed for such other complication as glottal edema, hematemesis and preformation (unlikely). Induced vomiting should be avoided because local tissue injury may be aggravated, but the patient should be watched for hyperphosphatemia and hypocalcemia. Milk or other demulcents may be worthwhile for gastric irritation.

Notes to Physician: This moderately corrosive agent which may burn any exposed tissues upon other than very brief contact. Eyes, skin and mucous membranes should be flushed thoroughly with water and ophthalmological consultation should be obtained for any corneal burns.

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SECTION VI - REACTIVITY DATA

Stability: Stable

Incompatibility: Contact with reactive metals (e.g. Mild Steel and Aluminum) may produce flammable/explosive hydrogen-air mixtures.

Reacts violently with strong bases.

Hazardous Decomposition Products: At flame temperatures, will emit toxic phosphorus oxide fumes.

Hazardous Polymerization: Will Not occur.

SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Dike and salvage or neutralize.

Neutralizing Chemicals: Lime, Soda Ash

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 PROTECTIVE INFORMATION

Respiratory Protection: For severe vapor or mist, use NIOSH/MSHA acid gas respirator with full face piece or in severe exposure use self-contained breathing apparatus.

Ventilation: Adequate to meet maximum exposure limit for acid mist of 1 mg/m³ in 8 hours.

Protective Clothing: Where contact is likely, wear a rubber apron and boots.

Protective Gloves: Rubber or neoprene.

Eye Protection: Acid goggles and or face shield.

Other Protective Equipment: None.

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing: Store in cool, dry,

well ventilated area. Store in suitable containers (i.e., glass, fiberglass, reinforced plastic, polyethylene lined drums type 316 stainless steel, etc.).

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Other precautions: Corrosive to mild steel and aluminum equipment.

SECTION X - PREPARATION DATE OF MSDS

Occupational Health & Safety Dept.
10/18/95

Date:

12/07/93

Supersedes:

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, expressed or implied from the use thereof. American Building Restoration Products, Inc. assumes no responsibility for injury from the use of the product described herein.

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