



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  
800-346-7532

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
Phosphoric Acid	70-80	1mg/m3	1mg/m3

**SECTION III - PHYSICAL DATA**

Initial Boiling Point: 130°C  
pH: 1  
Vapor Pressure: 0.03 mm Hg @ 20°C  
Vapor Density: Non-Volatile  
Solubility in Water: Complete  
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: No special requirements  
Special Fire fighting Procedure: Wear self-contained breathing apparatus and personal protective clothing. May give off toxic fumes (oxides of phosphorus) in a fire. May react with metals to liberate hydrogen.

**SECTION V - HEALTH HAZARD DATA**

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. Injury may be permanent  
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 able, remove contact lenses. Get medical attention.  
**SKIN:** May cause skin irritation. Wash area with soap and water. Get medical attention. Wash immediately if skin is contaminated. Remove contaminated clothing promptly and launder before reuse. Clean personal protective equipment before reuse. Provide a safety shower at any location where skin contact can occur. Wash thoroughly after handling.  
**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.  
**INGESTION:** IF SWALLOWED, do NOT induce vomiting. Give victim 2-4 glasses of water to drink. Get medical attention. Contact a Poison Control Center. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.  
Health: 3  
Flammability: 0  
Reactivity: 0  
Personal Protection: D

**SECTION VI - REACTIVITY DATA**

Stability: Stable



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Incompatibility: Liberates explosive hydrogen gas when reacting chlorides and stainless.

Hazardous Decomposition: Phosphorous oxides may form when heated to decomposition.

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: 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.

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**SECTION VIII - SPECIAL PROTECTIVE INFORMATION**

Respiratory Protection: Avoid breathing vapor or mist. Use NIOSH/MSHA approved respiratory protection equipment (full face piece recommended) when airborne exposure limits are exceeded (see below). If used, full-face piece replaces the need for face shield and/or chemical goggles. Refer to U.S. OSHA regulations 29 CFR 1910.134 or European Standard EN 149.

Ventilation: Provide natural or mechanical ventilation to minimize exposure. The use of local mechanical exhaust ventilation is preferred at sources of air contamination such as open process equipment. Consult National Fire Protection Association (NFPA) Standard 91 for design of exhaust systems.

Hand/Skin Protection: Wear impervious protective rubber or neoprene gloves and clothing to prevent contact to skin.

Eye Protection: Wear chemical goggles, a face shield, and if necessary, a full face respirator when conditions warrant or exceed the Occupation Exposure Limit. Refer to U.S. OSHA regulations 29 CFR 1910.133 or European Standard EN 166.

Other Protective Equipment: None.

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**SECTION IX - SPECIAL PRECAUTIONS**

Precautions to be taken in handling and storing: Store in plastic, rubber-lined, or 316L stainless steel tanks designed for Phosphoric Acid. Store drums away from heat and out of direct sunlight. Store in a well-ventilated dry area away from alkalis and most metals. Store above freezing point. Contact with reactive metals, i.e. mild steel and aluminum may generate hydrogen that may form and explosive mixture in storage vessels.

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**SECTION X - PREPARATION DATE OF MSDS**

Occupational Health & Safety Dept.

Date: 05/13/09

Supersedes: 10/18/95

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**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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