

Permatex, Inc.  
 10 Columbus Blvd.  
 Hartford, CT 06106 USA  
 Telephone: 1-87-Permatex  
 (877) 376-2839  
 Emergency: 800-255-3924 (ChemTel)  
 International Emergency: +01-813-248-0585

## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** RUST TREATMENT 1GA  
**Item No:** 75448  
**Product Type:** Acid-modified emulsion

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
WATER 7732-18-5	40-50	Not listed	Not listed
VINYLDENE-ACRYLIC COPOLYMER MIXTURE	30-40	Not listed	Not listed
BARIUM SULFATE 7727-43-7	5-15	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
2-BUTOXYETHANOL 111-76-2	<3	20 ppm	50 ppm; 240 mg/m <sup>3</sup>
PROPYLENE GLYCOL 57-55-6	<3	Not listed	Not listed
ORGANIC ACID 1401-55-4	<3	Not listed	Not listed

### 3. HAZARDS IDENTIFICATION

**Toxicity:** May cause eye, skin and respiratory irritation. May cause gastric disturbances if swallowed. Exposure to 2-butoxyethanol can cause nausea, dizziness, vomiting, malaise, incoordination, diarrhea, weakness, eye redness and swelling of conjunctiva. The organic acid can irritate the nose and throat upon inhalation. The low concentration of these components minimize the probability that these symptoms may occur..

**Primary Routes of Entry:** Eye and skin contact, ingestion, inhalation

**Signs and Symptoms of Exposure:** Overexposure may cause eye and skin redness.

Component	Weight%	NTP	ACGIH Carcinogens	IARC
BARIUM SULFATE 7727-43-7	5-15		Group A4 - Not classifiable	
2-BUTOXYETHANOL 111-76-2	<3	male rat-no evidence; female rat-equivocal evidence; male mice- some evidence; female mice-some evidence	A3	Group 3; Monograph 88, 2006
ORGANIC ACID 1401-55-4	<3			Group 3; Suppl. 7, pg. 72, 1987; Monograph 10, 1976

**Medical Conditions Recognized as Being Aggravated by Exposure:** May aggravate preexisting dermatitis.

### 4. FIRST AID MEASURES

**Ingestion:** If swallowed, DO NOT induce vomiting. Keep individual calm. Obtain medical attention.  
**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. Obtain medical attention.  
**Skin Contact:** Wash off with soap and water. If skin irritation persists, call a physician.  
**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

### 5. FIRE FIGHTING MEASURES

**Flash Point °F(C°):** None - aqueous  
**Recommended Extinguishing Media:** Carbon Dioxide, Dry Chemicals, Foam.

**5. FIRE FIGHTING MEASURES**

**Special Fire-Fighting Procedures:** Firefighters should wear self-contained breathing apparatus.  
**Hazardous Products of Combustion:** Oxides of carbon, Hydrogen chloride, Irritating vapors  
**Unusual Fire/Explosion Hazards:** None.

**Lower Explosive Limit:** 1.1; 2-butoxyethanol  
**Upper Explosive Limit:** 10.6; 2-butoxyethanol

**6. ACCIDENTAL RELEASE MEASURES**

**Spill Procedures:** Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal. Residues may be cleaned up with soap and water.

**7. HANDLING AND STORAGE**

**Storage:** Store below 100°F. Do not freeze.  
**Handling:** Avoid contact with skin and eyes. Do not inhale vapors. Wash thoroughly after handling.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Eyes:** Safety glasses.  
**Skin:** Rubber or plastic gloves.  
**Ventilation:** General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.  
**Respiratory Protection:** Not required under normal use. An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** White liquid  
**Odor:** Mild  
**Boiling Point:** 212°F  
**pH:** 2.05-3.05  
**Solubility in Water:** Soluble  
**Specific Gravity:** 1.18-1.26  
**VOC(Wt.%):** 2%  
**Vapor Pressure:** 24 mm Hg  
**Vapor Density (Air=1):** 1.2  
**Evaporation Rate:** <1 (butyl acetate = 1)

**10. STABILITY AND REACTIVITY**

**Chemical Stability:** Stable at normal conditions  
**Hazardous Polymerization:** Will not occur  
**Incompatibilities:** Avoid contact with bases and strong oxidizers  
**Conditions to Avoid:** Heat. Freezing.  
**Hazardous Products of Combustion:** Oxides of carbon, Hydrogen chloride, Irritating vapors

**11. TOXICOLOGICAL INFORMATION**

See Section 3

**12. ECOLOGICAL INFORMATION**

No data available

**13. DISPOSAL CONSIDERATIONS**

**Recommended Method of Disposal:** Disposal should be made in accordance with federal, state and local regulations..  
**US EPA Waste Number:** D002 as per 40CFR 261.22, May be a TCLP waste per 40CFR 261.24/Barium.

**14. TRANSPORTATION INFORMATION**

**DOT (49CFR 172)**

**Ground Transport (DOT)**

**DOT Shipping Name:** Not regulated  
**Hazard Class:** None  
**UN/ID Number:** None

**14. TRANSPORTATION INFORMATION**

**IATA**

**Proper Shipping Name:** Not regulated  
**Class or Division:** None  
**UN/ID Number:** None

**IMDG**

**Proper Shipping:** Not regulated  
**Hazard Class:** None  
**UN Number:** None  
  
**Marine Pollutant:** None

**15. REGULATORY INFORMATION**

**SARA 313 Chemicals:** The following component(s) is listed as a SARA Section 313 Toxic Chemical.

2-BUTOXYETHANOL, BARIUM COMPOUND

**California Proposition 65:** WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm

**TSCA Inventory Status:** All components of this product are listed (or exempt) on the EPA TSCA inventory.

**16. OTHER INFORMATION**

**Estimated NFPA Rating:** HEALTH 2, FLAMMABILITY 1, REACTIVITY 0.  
**Estimated HMIS Classification:** HEALTH 2, FLAMMABILITY 1, PHYSICAL HAZARD 0  
NFPA is a registered trademark of the National Fire Protection Assn.  
HMIS is a registered trademark of the National Paint and Coatings Assn.

**Prepared By:** Denise Boyd, Manager-Environmental, Health & Safety  
**Company:** Permatex, Inc. 10 Columbus Blvd. Hartford, CT USA 06106  
**Telephone No.:** 1-87-Permatex (877) 376-2839

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