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## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** RT-16-A RUST TREATMENT 16OZ BO  
**Item No:** 81773  
**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> ; total dust	15 mg/m <sup>3</sup> total dust TWA; 5 mg/m <sup>3</sup> resp. TWA
2-BUTOXYETHANOL 111-76-2	<3	20 ppm TWA	25 ppm TWA; 240 mg/m <sup>3</sup> TWA
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:

Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

#### 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:****Hazardous Products of Combustion:****Unusual Fire/Explosion Hazards:****Lower Explosive Limit:****Upper Explosive Limit:**

Firefighters should wear self-contained breathing apparatus.

Hydrogen chloride, Oxides of carbon, Irritating vapors

None.

1.1; 2-butoxyethanol

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 degrees F.

**Handling:**

Avoid contact with skin and eyes. Do not inhale vapors. Wash hands before eating and smoking.

## **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:**

In case of insufficient ventilation, wear suitable respiratory equipment.

## **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 Content(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:**

Hydrogen chloride, Oxides of carbon, 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)****Domestic Ground Transport****DOT Shipping Name:** Unrestricted**Hazard Class:** None**UN/ID Number:** None**Marine Pollutant:** None

**IATA**

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

**IMDG**

**Proper Shipping:** Unrestricted  
**Hazard Class:** None  
**UN Number:** 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 PROP 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:**

**Listed on Inventory:** YES 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      **Revision Date:** January/29/2008  
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