

## **MATERIAL SAFETY DATA SHEET**

### **SECTION 1. IDENTIFICATION OF PRODUCT**

**Name:** Release  
**Identity:** All Purpose Degreaser      **MSDS Number:** 7497      **Date:** 6/19/2003      **Supersedes:** 6/26/2001  
**TOXICITY:** 1      **FIRE:** 0      **REACTIVITY:** 0      **PROTECTION:** B

### **SECTION II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

Name	CAS Number	PEL	TLV	%
2-butoxyethanol	111-76-2	25ppm skin	25ppm skin	3

### **SECTION III. PHYSICAL/CHEMICAL CHARACTERISTICS**

<b>Boiling Point:</b> 212° F	<b>Specific Gravity:</b> 1.000	<b>Vapor Pressure (mm Hg.):</b> ND	<b>Melting Point:</b> ND
<b>Vapor Density (Air = 1):</b> 1	<b>Evaporation (H2O = 1):</b> 1	<b>Water Solubility:</b> Complete	<b>pH @ 77F:</b> 8.0
			<b>VOCgm/L:</b> 30

**Appearance and Odor:** Clear light yellow liquid, Cucumber odor

### **SECTION IV. FIRE AND EXPLOSION HAZARD DATA**

<b>Flash Point (TCC):</b>	<b>%</b>	<b>%</b>	<b>Flammable Limits:</b>
None	ND	ND	ND

**Extinguishing Media:** Water fog, foam, carbon dioxide or dry chemical

**Special Fire Fighting Procedures:** Prevent breathing vapors. Wear SCBA and impervious protective clothing.

**Unusual Fire and Explosion:** None known

### **SECTION V. HEALTH HAZARD DATA**

**Route(s) of Entry:** INHALATION? No      EYES? Yes      SKIN? Yes      INGESTION? No

#### **(Acute) Health Hazards:**

**Eyes:** May cause irritation, damage  
**Skin:** May cause irritation and dryness  
**Ingestion:** May cause gastric distress  
**Inhalation:** Breathing mist may irritate respiratory passages.

**(Chronic) Health Hazards:** Prolonged or repeated skin contact may cause skin irritation. This product is not listed as or anticipated to be a potential carcinogen by NTP or OSHA.

#### **Signs and Symptoms of Exposure:**

**Eyes:** Burning, irritation  
**Skin:** May cause irritant reaction  
**Ingestion:** Nausea & vomiting  
**Inhalation:** Occasional mild irritation effects to nose and throat may occur.

**Medical Conditions Generally Aggravated by Exposure:** Pre-existing contact site disorders of skin, liver, kidneys, and hematopoietic system.

#### **Emergency First Aid Procedures:**

**Eyes:** Flush eyes with large amounts of water, lifting upper and lower eyelids. If irritation persists, obtain medical attention.  
**Skin:** Wash off with soap and water. Remove contaminated clothing and wash before reuse. If irritation persists, obtain medical attention.  
**Ingestion:** Obtain immediate medical attention.  
**Inhalation:** Remove to fresh air. If irritation persists, obtain medical attention.

## SECTION VI. TOXICITY DATA

**Carcinogenicity:** NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No

## SECTION VII. REACTIVITY DATA

**Stability:** Stable

**Hazardous Polymerization Will Not Occur**

**Incompatibility (Materials to Avoid):** Cleaning agents may or may not react, Bleach, Oxidizers

**Hazardous Decomposition Byproducts:** Oxides of carbon and sulfur

## SECTION VIII. PRECAUTIONS FOR SAFE HANDLING AND USE

**Steps to be Taken in Case Material is Released or Spilled:**

**Small Spills:** Mop up. Slippery on floor. Absorb liquid with absorbent material.

**Large Spills:** Dike area and absorb into neutral material or pump up

**Disposal:** Meet Federal, State & Local Requirements

**Handling and Storage:** Store in cool, dry well ventilated area. Keep container tightly closed when not in used.

**Other Precautions:** Keep out of reach of children. FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY.

## SECTION IX. CONTROL MEASURES LEL: UEL:

**Respiratory Protection:** NIOSH Approved

**Ventilation:** Normal indoor

**Local Exhaust:** Not normally indicated

**Mechanical (General):** Not normally indicated

**Protective Gloves:** Rubber, vinyl

**Eye Protection:** Chemical safety goggles

**Other Protective Clothing or Equipment:** Long pants, sleeves, apron

**Work/Hygienic Practices:** The recommendations described in this section are provided as general guidance for minimizing exposure when handling this product. Because use conditions will vary, depending upon customer applications, specific safe handling procedures should be developed by persons knowledgeable of the intended use conditions and equipment.

## SECTION X. DOT INFORMATION

NOT REGULATED

## SECTION XI. MISCELLANEOUS INFORMATION

**SARA 313:** 2-butoxyethanol

**Notice:** All information, recommendations, and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources; however, manufacturer makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of the product.

NA - Not

S - May Be Absorbed Through Intact Skin

ND - No Data Available

Supersedes 6/26/2001