

MATERIAL SAFETY DATA SHEET

Revision Date: 10-01-00

MSDS No. N147

Emergency Phones: 815-434-5010 (ZB SUPPLY COMPANY)

800-535-5053 (INFOTRAC)

PLEASE NOTE: This MSDS is being provided to your company for the purpose of providing current health and safety information to your management and for your employees who work with this material. Please read the information on these sheets, and then provide this information to those people at your company whose responsibility it is to comply with FEDERAL and STATE RIGHT-TO-KNOW regulations. Also make this information available to any employee who requests it. It is your obligation to comply with these regulations.

SECTION I - PRODUCT IDENTITY**PRODUCT NAME:** ZB Unlock Heavy Duty Floor Stripper

Formula: Mixture, butyl cellosolve, caustic potash, amine, builders and detergents in water

Chemical Type: As above

HMS RATINGS

Health = 3 (Moderate)	Flammability = 2 (Moderate)
Reactivity = 0 (Minimal)	Protection = C (Goggles, Gloves & Apron)

SECTION II - HAZARDOUS INGREDIENTS

	PERCENT	TLV	CARCINOGEN (OSHA,TP,IARC)
2-Butoxyethanol CAS No. 111-76-2	<20%	25 ppm	no
Ethanolamine (mono) CAS No. 141-43-5	<10%	3 ppm	no
Isopropanol CAS No. 67-63-0	<5%	400 ppm	no
Potassium Hydroxide CAS No. 1310-58-3	<10%	2 mg/m3 ceiling	no

SECTION III - CHEMICAL AND PHYSICAL

Appearance: Clear red-straw liquid
Odor: Mild sweet solvent
pH: 13.5-14
Water Solubility: Complete
Viscosity, Cp. @ 25°C:A-5 (Gardner)

Boiling Point: 212° F.
Melting Point: N/A
Spec. Gravity (H₂O = 1): 1.065
Vapor Pressure (mm Hg): N/A
VOC CONTENT: 16% (N.A.)

SECTION IV - FIRE AND EXPLOSION HAZARDS

Flash Point (Method): > 140° F. Cl.cp.

Explosion Limits: Upper: N/A
Lower: N/AExtinguishing Media: Water fog, CO₂, halon system, foam

Special Firefighting Procedures and Hazards Avoid skin and eye contact, and breathing of vapors. Wear head and body protection and alkali respirator if exposure to liquid is likely.

SECTION V - REACTIVITY INFORMATIONStable: Unstable: **Precautions:**

Incompatibility: Strong acids and materials not resistant to alkalis, active metals (zinc, aluminum, magnesium, etc.)

Hazardous Decomposition Products: Contact with active metals can release flammable hydrogen gas. If in a fire CO, CO₂ and hydrocarbons.Hazardous Polymerization: Occurs: Does Not Occur: **SECTION VI - HEALTH HAZARDS - PROTECTIVE MEASURES - FIRST AID**

Inhalation: Breathing of mists causes respiratory irritation and can cause burns. Wear approved alkali mist respirator if exposure is likely. This is suggestion in an area of no ventilation. Remove to fresh air. Get medical attention if needed.

Skin: Corrosive. Can cause burns. Incidental contact will cause irritation. Prolonged contact with 2-butoxyethanol may result in the absorption of potentially harmful amounts leading to possible liver and kidney damage. Flush skin with water for 15 minutes. Wear protective gloves. Get medical attention immediately.

Eyes: Corrosive! Will cause eye damage or irritation. Wear goggles or other eye protection. Flush immediately with water for 15 minutes. Get prompt medical attention immediately.

Ingestion: Corrosive. Causes irritation or possible burns in mouth and throat and a mild gastric disturbance. Also may result in the absorption of potentially harmful amounts leading to possible liver and kidney damage. Rinse mouth. Drink lot of water or, preferably milk or juices. Do not induce vomiting. Get medical attention immediately.

Most likely routes of entry: Skin, Eyes.

Other Important Medical or Precautionary Information: None

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Spills and Leaks: Small spills can be flushed into normal drainage or into ground with copious amounts of water, or taken up with absorbent material. Larger spills should be contained by diking or other methods and held for collection and/or reuse, or for neutralization with alkali before collection & disposal. People should use eye and skin protection & respirator.

Storage and Handling: Check daily for any leaks from containers, vessels, pumps, and piping. Have water hoses and acid (acetic, glycolic acids etc.) convenient. Only use containers and equipment designed for acid service.

Waste Disposal: If neutralized, may be disposable in sewers if local regulations permit. Otherwise, send to licensed treatment and disposal facility. As supplied, this product is a RCRA hazardous waste.

Empty Containers: Rinse well before handling and disposal.

Other Precautions: None

SECTION VIII - REGULATORY INFORMATION -

Reportable for SARA Title III, S.313 (Form R): 2-Butoxyethanol

The information herein has been compiled from sources believed to be reliable and is accurate to the best of our knowledge. However, ZB Supply Company cannot give any guarantees regarding information from other sources, and expressly does not make any warranties, nor assumes any liability, for its use.