



ENERGY

# OVERPOWER

## SDS

HMIS Code:

# 9721

HEALTH HAZARD	3
FIRE HAZARD	0
REACTIVITY	1
SPECIFIC HAZARD	

### SECTION I - IDENTIFICATION

**PRODUCT TRADE NAME: Overpower**

Chemical Family: Potassium Hydroxide

Formula: Proprietary

Product #: 9721

Date of Issue: 5/14/14

Supplier:

**C K ENTERPRISES, INC.**  
**1204 SW Jefferson Street**  
**Lee's Summit, Missouri 64081**  
**(816) 524-1304**

**EMERGENCY CONTACT:**

**CHEMTREC - 1-800-424-9300**

(For use only in the event of emergencies involving a spill, leak, fire, exposure, or accident involving chemicals)

### SECTION II - HAZARDOUS IDENTIFICATION

DANGER



**Health Hazards**

Acute Toxicity; Oral	Category 4
Skin Corrosion/Irritation	Category 1
Serious eye damage/ eye irritation	Category 1
Specific Target Organ Toxicity, single exposure; Respiratory Tract Irritation	Category 3

**Hazard Statements:**

- Causes severe skin burns and eye damage
- Harmful if swallowed
- May cause respiratory irritation

**Precautionary Statements:**

- Avoid breathing in dust mist or spray
- Do not get in eyes, skin or on clothing
- Wash hands thoroughly after handling
- Wear personal protective equipment as required
- Get medical advice/attention if you feel unwell

**Potential Acute Effects:**

**Eyes-** Range from irritation to serious eye damage, including blindness. Severity increases with duration of contact.

**Skin-**Mild to severe irritation depending on duration of contact.

**Inhalation-** Can cause irritation and burns to respiratory tract.

**Ingestion-** Can cause burns to mucous membranes of the mouth, throat, esophagus and stomach. Nausea, and vomiting with gastrointestinal disorder. Can be fatal if swallowed.

### SECTION III - COMPOSITION INFORMATION

Name of Hazardous Ingredients	CAS Number	% by Weight
2-butoxyethanol	111-76-2	<5
Potassium Hydroxide	1310-58-3	≈10
Lauryl Amine oxide	-	<5

### SECTION IV - FIRST AID MEASURES

**Emergency First Aid Procedures:**

**EYES:** Flush immediately with plenty of clean water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire eye surface. Seek immediate medical attention.

**SKIN:** Flush immediately with plenty of clean water. If irritation or burn occurs, seek medical attention.

**INHALATION:** Remove person to fresh air. Begin CPR if breathing has stopped and seek immediate medical attention.

**INGESTION:** DO NOT induce vomiting. Give large glasses of milk or water ONLY if conscious. If vomiting occurs spontaneously, keep head below hips to prevent aspiration and give fluids again. Seek immediate medical attention.

### SECTION V - FIREFIGHTING MEASURES

**Flash Point (Method Used):** Not combustible

**Flammable Limits:** Non-Flammable

**Extinguishing Media:** Water, Foam

**Special Fire Fighting Procedures:** Use a self-contained breathing apparatus. Under extreme heat, the alcohol component of this product may become vaporized, creating an explosive environment.

**Hazardous Combustion Products:** None



**CK Enterprises, Inc.**

## SECTION VI - ACCIDENTAL RELEASE MEASURES

**Steps To Be Taken If Released or Spilled:** All spilled material must be contained and kept out of waterways, sewers and drains. The spilled chemical should be absorbed with an inert material. Flush cleaned area thoroughly with water.

## SECTION VII - HANDLING AND STORAGE

**Precautions To Be Taken In Handling and Storage:** Keep container tightly closed when not in use. Store away from strong oxidizers.

**Other Precautions: KEEP OUT OF THE REACH OF CHILDREN.** Have eyewash accessible to use in handling area.

## SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Product Name	OSHA PEL	NIOSH REL	AIHA WEEL	ACGIH TLV
2-butoxyethanol (111-76-2)	50ppm	5ppm		20ppm
Potassium Hydroxide (1310-58-3)		2mg/m <sup>2</sup>		2mg/m <sup>3</sup>

- **Respiratory Protection:** Not usually required. Use NIOSH respirator if levels reach or exceed TLV.
- **Ventilation:** Local exhaust usually adequate. Use mechanical ventilation if buildup of mist or vapors is likely.
- **Protective Gloves:** Rubber or neoprene gloves
- **Eye Protection:** Safety glasses or chemical splash goggles
- **Other Protective Equipment:** Rubber aprons and boots as needed to prevent contact with skin and clothing.
- **Hygienic Practices:** Ensure strict sanitary conditions are conformed to when working around chemicals. Protective clothing and equipment should be in accordance with 29 CFR 1910.132 and 1910.133.

## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

<b>Boiling Point:</b>	210°F
<b>Specific Gravity (Water = 1):</b>	1.10-1.15
<b>Vapor Pressure:</b>	N/A
<b>Vapor Density (Air = 1):</b>	N/A
<b>Evaporation Rate (Water = 1):</b>	Initially 1
<b>Solubility in Water:</b>	Complete
<b>pH @ 100% solution:</b>	12.5-14.0
<b>Appearance/Odor:</b>	Clear to straw liquid; Mild odor

## SECTION X - STABILITY AND REACTIVITY

**Stability Data:** Stable  
**Incompatibility:** Strong oxidizers  
**Hazardous Decomposition Products:** None  
**Hazardous Polymerization:** Will not occur

## SECTION XI - TOXICOLOGICAL INFORMATION

<b>Routes of Entry</b>	Dermal, Oral, and Ventilation
<b>Symptoms</b>	Irritation to burns depending on duration of contact
<b>Skin Irritant</b>	Yes
<b>Eye Irritant</b>	Yes
<b>Sensitizers</b>	Not determined

<b>Mutagenicity</b>	No information found
<b>Carcinogenicity</b>	2-butoxyethanol: Group 3 (not classifiable as a human carcinogen)
<b>Reproductive</b>	No information found
<b>Target Organs</b>	None
<b>Aspiration Hazards</b>	None

There is no toxicological data for this product as a whole. Based on relevant ingredients with known acute toxicity, the acute toxicity estimate (ATE) using the additive formula has been determined.

Test	Results	Basis
<b>Dermal</b>	2,188mg/kg	ATE determined practically non-toxic
<b>Oral</b>	380mg/kg	ATE determined Category 4
<b>Inhalation</b>	No data	

## SECTION XII - ECOLOGICAL INFORMATION

No ecological information available.

## SECTION XIII - DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Dispose of in accordance with all Federal, State and Local pollution control regulations.

## SECTION XIV - TRANSPORT INFORMATION

**Proper Shipping Name:** Potassium Hydroxide Solution  
**D.O.T. Classification:** UN1814, 8, PGII  
**D.O.T. Placard:** UN1814/CORROSIVE  
**Precautions to be taken in transportation:** Keep container tightly closed.

## SECTION XV - REGULATORY INFORMATION

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

<b>CAS #</b>	111-76-2
<b>Chemical Name:</b>	2-butoxyethanol
<b>Percent by Weight:</b>	<5

CERCLA reportable quantity values (in pounds):  
Potassium Hydroxide 1310-58-3 1,000

## SECTION XVI - OTHER INFORMATION

**Date Issued:** 5/14/14 **Supersedes:** 8/17/11

This information must be included in all Safety Data Sheets that are copied and distributed for this material.

The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.