

### SECTION 1 – COMPANY NAME

CHEMCO CORPORATION  
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### EMERGENCY RESPONSE

CHEMTEL: (800) 255-3924

Hazard Rating	Scale
Health	1
Flammability	0
Reactivity	0
	0=Minimal
	1=Slight
	2=Moderate
	3=Serious
	4=Severe

### COMPOSITION / INFORMATION

### SECTION 2 – ON INGREDIENTS

CAS Names	CAS No.	OSHA PEL	ACGIH TLV
2-Butoxy ethanol*	111-76-2	25 PPM	

This product contains a glycol ether (Ethylene glycol monobutyl ether) which is subject to the reporting requirements of Title III of the Superfund Amendments and Reauthorization Act of 1988 and CFR Part 372.

\*Common name: Butyl Cellosolve

### SECTION 3 – PHYSICAL/CHEMICAL CHARACTERISTICS

<b>BOILING POINT:</b>	212°F	<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1):</b>	0.98
<b>VAPOR PRESSURE:</b>	Like water	<b>MELTING POINT:</b>	N/A
<b>VAPOR DENSITY:</b>	Like water	<b>EVAPORATION RATE:</b>	N/A
<b>SOLUBILITY IN WATER:</b>	Complete		
<b>APPEARANCE and Odor:</b>	Light, straw – colored liquid – floral odor.		
<b>VOC:</b>	5%	<b>pH:</b>	11.5-12.5

### SECTION 4 – FIRE & EXPLOSION HAZARD DATA

<b>FLASH POINT:</b>	None	<b>FLAMABLE LIMITS:</b>	
<b>LEL:</b>	N/A	<b>UEL:</b>	N/A
		<b>LEL:</b>	N/A

**EXTINGUISHING MEDIA:** This is a water-based product: not expected to burn.

**FIRE FIGHTING PROCEDURES:** None

**FIRE & EXPLOSION HAZARD:** None known

### SECTION 5 – STABILITY AND REACTIVITY

<b>STABILITY:</b>	Stable
<b>CONDITIONS TO AVOID:</b>	None known
<b>INCOMPATIBLY:</b>	Add water only to this product.
<b>HAZARDOUS DECOMPOSITION:</b>	None known

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS TO AVOID:** None known

### SECTION 6 – HEALTH HAZARD DATA

**ROUTE(S) OF ENTRY:**

<b>INHALATION:</b>	No
<b>SKIN:</b>	No
<b>INGESTION:</b>	Possible
<b>EYE:</b>	Possible

#### HEALTH HAZARDS (Acute and Chronic):

May cause skin and eye irritation. Butyl cellosolve in laboratory animals has caused red blood cell hemolysis. However, human beings appear to be resistant to this effect. Repeated overexposure: No adverse effects anticipated.

### SECTION 6 – HEALTH HAZARD DATA (Cont'd)

**Carcinogenicity:** NTP: No

**IARC Monographs:** No **OSHA Regulation:** No

#### Signs and Symptoms of Exposure:

<b>EYES:</b>	May cause irritation
<b>SKIN:</b>	May cause irritation
<b>INGESTION:</b>	Effects unknown

#### Medical Conditions Generally Aggravated by Exposure:

Aggravation of existing dermatitis

#### Emergency First Aid Procedures:

<b>EYES:</b>	Flush with water for 15 minutes. If irritation persists, seek medical aid.
<b>SKIN:</b>	Flush with water.
<b>INGESTION:</b>	Drink large amounts of water. Do not induce vomiting.
<b>INHALATION:</b>	Not applicable

### SECTION 7 – SAFE HANDLING AND STORAGE

#### Steps to be Taken in Case of Accidental Release or Spill

Flush area with plenty of water. Product is biodegradable in low concentrations

#### Waste Disposal Method

Flush with plenty of water. Product is biodegradable in biological waste water treatment plants.

#### Precautions to be Taken in Handling and Storage

Freezing will affect physical condition but will not damage product. Thaw and mix before using. For Industrial Use Only. Do not mix with any other chemical. KEEP OUT OF REACH OF CHILDREN

#### Other Precautions

None

### SECTION 8 – CONTROLS / PERSONAL PROTECTION

**RESPIRATION PROTECTION:** Not required under normal use conditions.

**VENTILATION:** None

**PROTECTIVE GLOVES:** Recommended

**EYE PROTECTION:** Recommended

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** None

**WORK/HYGENIC PRACTICES:** Wash hands before using restroom or eating.

### SECTION 9 – OTHER INFORMATION

**MSDS STATUS:** Revised 04/27/04

**PREPARED BY:** Jay Chapin, Chemco Corporation

The information herein given in good faith has been prepared so to comply with ANSI Z400.1 Standard, for the preparation of Material Safety Data Sheets. No warranty, express or implied, is made.

N/A = Not Applicable

N/D = Not Determined