



# Material Safety Data Sheet

Butyl Cellosolve  
Part Number: 06N031

Hukill Chemical Corporation  
7013 Krick Road  
Bedford, OH 44146-4493

## Section I: Chemical Product & Company Identification

<b>Manufacturer</b>	Hukill Chemical Corporation 7013 Krick Road Bedford, OH 44146-4493	<b>Emergency Telephone Number</b>	(800) 962-1143	
		<b>Chemtrec's Telephone Number</b>	(800) 424-9300	
		<b>Prepared By</b>	bcj	
<b>Telephone Number</b>	(440) 232-9400	<b>Date Prepared</b>	August 27, 2002	
<b>Fax Number</b>	(440) 232-9477	<b>HMIS</b>	<b>Health</b>	2
<b>Web Site</b>	http://www.hukill.com		<b>Flammability</b>	2
<b>Email</b>	hukill@hukill.com		<b>Reactivity</b>	0
<b>Synonyms</b>				

## Section II: Composition/Information On Ingredients

Hazardous Components	Reportable Under SARA Section 313	CAS Number	OSHA Limits (ppm)			ACGIH TLV (ppm)	%
			PEL	STEL	Ceiling		
Butyl Cellosolve	Yes	111-76-2	50			20	100
<i>* mg/m<sup>3</sup> instead of ppm.</i>							

## Section III: Hazardous Identification

<b>Emergency Overview:</b>							
Warning! Causes severe eye irritation. Causes respiratory irritation. Harmful if swallowed, inhaled or absorbed through the skin. Overexposure may cause kidney damage.							
<b>Route(s) of Entry</b>	<b>Inhalation?</b>	Yes	<b>Skin?</b>	Yes	<b>Ingestion?</b>	Yes	
<b>Health Hazards (Acute and Chronic)</b>							
Eye contact cause severe irritation. Breathing may cause mucous membrane and respiratory irritation. Harmful if swallowed, inhaled or absorbed through the skin. Overexposure may cause kidney damage.							
<b>Signs and Symptoms of Exposure</b>							
Breathing may cause coughing, runny nose, headache, dizziness, lightheadness or nausea.							
<b>Carcinogenicity</b>	<b>NTP</b>	No	<b>IARC Monographs</b>	No	<b>OSHA Regulated?</b>	No	
<b>Comments</b>	None.						

## Section IV: First Aid

<b>Eye Contact</b>	Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get immediate medical attention.
<b>Skin Contact</b>	Immediately flush the skin with plenty of water while removing contaminated clothing and shoes. Get immediate medical attention.
<b>Inhalation</b>	Remove exposed person from source of exposure to fresh air. If not breathing, ensure clear airway and institute cardiopulmonary resuscitation. If breathing is difficult, administer oxygen if available. Keep affected person warm and at rest. Get immediate medical attention.
<b>Ingestion</b>	Immediately call a local physician, a local emergency room or a poison control center. If victim is conscious, give 1-3 glasses of water. Only induce vomiting under the direction of a medical professional. Get immediate medical attention.



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## Section V: Fire Fighting Measures

<b>Flash Point (method used)</b>	<b>Flammable Limits</b>	<b>LEL</b>	<b>UEL</b>
150F, closed cup		1.1	10.6
<b>Extinguishing Media</b>	Use dry chemical, alcohol foam, all purpose AFFF, or carbon dioxide to extinguish fire.		
<b>Special Fire Fighting Procedures</b>			
Exposed firefighters must wear NIOSH approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.			
<b>Unusual Fire and Explosion Hazards</b>			
Combustible at high temperatures. Vapors may accumulate in confined areas.			

## Section VI: Accidental Release Measures

<b>Steps to Be Taken in Case Material is Released or Spilled</b>
Shut off ignition sources, no flares, smoking or flames in hazard area. Stop leak if you can do so without risk. Do not touch damaged containers or spilled material unless wearing appropriate clothing. Absorb or cover with sand, earth or other noncombustible material and transfer to containers for disposal.
<b>Waste Disposal Method</b>
Disposal must be in accordance with federal, state and local regulations.

## Section VII: Handling And Storage

<b>Precautions to Be Taken in Handling and Storing</b>
Avoid contact with eyes, skin or clothing. Avoid breathing vapors or aerosols. Use with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet facilities. Keep away from heat and flame. Keep operating temperatures below ignition temperatures at all times. Store in tightly closed containers in cool, dry, isolated, well-ventilated area away from heat, sources of ignition and incompatibles. Protect from physical damage.
<b>Other Precautions</b>
None.

## Section VIII: Exposure Controls, Personal Protection

<b>Respiratory Protection (Specify)</b>	Chemical cartridge, supplied air, or SCBA if ambient concentrations exceed safe levels.			
<b>Ventilation</b>	<b>Local Exhaust</b>	Sufficient to keep ambient concentration below PEL.		
	<b>Mechanical (General)</b>	Explosion-proof.		
	<b>Special</b>	None	<b>Other</b>	None
<b>Protective Gloves</b>	Chemical resistant.			
<b>Eye Protection</b>	Safety glasses with side shields or goggles.			
<b>Other Protective Clothing or Equipment</b>				
Covering as much skin as possible to protect against chemical exposure is always recommended.				
<b>Work/Hygienic Practices</b>				
Wash hands after handling and before eating, smoking, or using the toilet.				



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## Section IX: Physical And Chemical Properties

<b>Boiling Point</b>	336-343F	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	.902
<b>Vapor Pressure (mm Hg)</b>	.66	<b>Melting Point</b>	-94F
<b>Vapor Density (Air = 1)</b>	4.1	<b>Evaporation Rate (Butyl Acetate = 1)</b>	.06
<b>Solubility In Water</b>	miscible		
<b>Appearance and Odor</b>	<b>State</b>		Liquid
Colorless, mild etherial odor			

## Section X: Stability And Reactivity

<b>Stability</b>	<b>Conditions to Avoid</b>	None.
Stable		
<b>Incompatibility (Material to Avoid)</b>	Heat, strong alkali, and oxidizing agents.	
<b>Hazardous Decomposition of Byproducts</b>	Carbon Monoxide and dioxide	
<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>	None.
Will not occur		

**DOT Shipping Name:** Ethylene Glycol Monobutyl Ether

**Hazard Class:** 6.1

**UN Number:** UN2810

PGIII

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