



Material Safety Data Sheet

Ethylene Glycol
Part Number: 06N151

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

Section I: Chemical Product & Company Identification

Manufacturer	Hukill Chemical Corporation 7013 Krick Road Bedford, OH 44146-4493	Emergency Telephone Number	(800) 962-1143	
		Chemtrec's Telephone Number	(800) 424-9300	
		Prepared By	bcj	
Telephone Number	(440) 232-9400	Date Prepared	September 6, 2002	
Fax Number	(440) 232-9477	HMIS	Health	1
Web Site	http://www.hukill.com		Flammability	1
Email	hukill@hukill.com		Reactivity	0
Synonyms				

Section II: Composition/Information On Ingredients

Hazardous Components	Reportable Under SARA Section 313	CAS Number	OSHA Limits (ppm)			ACGIH TLV (ppm)	%
			PEL	STEL	Ceiling		
Ethylene glycol	Yes	107-21-1	--	--	--	100°C	100
<i>* mg/m³ instead of ppm.</i>							

Section III: Hazardous Identification

Emergency Overview: Warning! Causes severe eye irritation. Harmful if swallowed. Overexposure may cause central nervous system damage.							
Route(s) of Entry	Inhalation?	Yes	Skin?	No	Ingestion?	Yes	
Health Hazards (Acute and Chronic) Eye contact causes severe irritation. Breathing may cause irritation. Harmful if swallowed. Overexposure may cause central nervous system damage.							
Signs and Symptoms of Exposure Central nervous system effects may include dizziness, headaches and nausea.							
Carcinogenicity	NTP	No	IARC Monographs	No	OSHA Regulated?	No	
Comments	May contain trace levels of carcinogenic 1,4 dioxane.						

Section IV: First Aid

Eye Contact	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.
Skin Contact	Remove contaminated clothing. Wash area of contact thoroughly with soap and water. Get medical attention if irritation persists.
Inhalation	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.
Ingestion	Immediately call a local physician, a local emergency room or a poison control center. Do not give anything by mouth if victim is semi-conscious or unconscious. If victim is conscious, give 1-3 glasses of water or milk.



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Section V: Fire Fighting Measures

Flash Point (method used)	Flammable Limits	LEL	UEL
232F (closed cup)		3.2	15.3
Extinguishing Media	Use water fog, foam, dry chemical or CO2.		
Special Fire Fighting Procedures			
Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.			
Unusual Fire and Explosion Hazards			
Combustible at high temperatures. Vapors may accumulate in confined areas.			

Section VI: Accidental Release Measures

Steps to Be Taken in Case Material is Released or Spilled
Stop leak if you can do it without risk. Small spills: take up with sand or other noncombustible absorbent material and place in containers for later disposal. Large spills: Dike far ahead of liquid spill for later disposal.
Waste Disposal Method
Disposal must be in accordance with federal, state and local regulations.

Section VII: Handling And Storage

Precautions to Be Taken in Handling and Storing
Avoid eye contact. Avoid breathing vapors or aerosols. Keep container closed. Use with adequate ventilation. 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.
Other Precautions
Environmentally toxic material.

Section VIII: Exposure Controls, Personal Protection

Respiratory Protection (Specify)	Where mist can be inhaled, use cartridge filter with dust pre-filter or supplied-air respirator as circumstances require.			
Ventilation	Local Exhaust	Sufficient to keep mist concentration below 34ppm		
	Mechanical (General)	General ventilation		
	Special	None	Other	None
Protective Gloves	Chemical resistant.			
Eye Protection	Safety glasses with side shields or goggles.			
Other Protective Clothing or Equipment				
Covering skin to avoid exposure is recommended, as with all industrial chemicals.				
Work/Hygienic Practices				
Wash hands after handling and before eating, smoking, or using the toilet.				



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Section IX: Physical And Chemical Properties

Boiling Point	379-401F	Specific Gravity (H2O = 1)	1.114
Vapor Pressure (mm Hg)	<.1	Melting Point	9F
Vapor Density (Air = 1)	2.2	Evaporation Rate (Butyl Acetate = 1)	<1
Solubility In Water	complete		
Appearance and Odor	State		Liquid
Clear and viscous, sweet odor.			

Section X: Stability And Reactivity

Stability	Conditions to Avoid	None.
Stable		
Incompatibility (Material to Avoid)	Strong acids, bases, and oxidizers.	
Hazardous Decomposition of Byproducts	Carbon monoxide and dioxide.	
Hazardous Polymerization	Conditions to Avoid	None.
Will not occur		

DOT Shipping Name: Environmentally Hazardous Substances, Liquid, N.O.S.

Hazard Class: 9

UN Number: UN3082

PGIII

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