



# Material Safety Data Sheet

Cyclohexane  
Part Number: 06K121

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>	Admin istrator	
<b>Telephone Number</b>	(440) 232-9400	<b>Date Prepared</b>	August 8, 2002	
<b>Fax Number</b>	(440) 232-9477	<b>HMIS</b>	<b>Health</b>	1
<b>Web Site</b>	http://www.hukill.com		<b>Flammability</b>	3
<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		
Cyclohexane	Yes	110-82-7	300	--	--	300	98-100
<i>* mg/m<sup>3</sup> instead of ppm.</i>							

## Section III: Hazardous Identification

<b>Emergency Overview:</b>							
<b>Route(s) of Entry</b>							
<b>Inhalation?</b>	Yes	<b>Skin?</b>	Yes	<b>Ingestion?</b>	Yes		
<b>Heath Hazards (Acute and Chronic)</b>							
Excessive inhalation may cause central nervous system damage or coma. May worsen liver and kidney damage caused by other chemical exposures.							
<b>Signs and Symptoms of Exposure</b>							
Eye irritation and redness from exposure. Drying, cracking, and irritation of exposed skin. Nausea, diarrhea, and vomiting from ingestion. Coughing, dizziness, fatigue, drowsiness, headache, or unconsciousness from excessive inhalation.							
<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>	Hold eyelids out and wash eyes for 15 minutes. If irritation persists, seek medical attention.
<b>Skin Contact</b>	Remove contaminated clothing and wash affected areas with soap and water. Decontaminate clothing. If exposure symptoms persist, seek medical attention.
<b>Inhalation</b>	Move victim to fresh air. Administer rescue breathing and oxygen if needed. Seek medical attention.
<b>Ingestion</b>	Give two glasses of water and seek medical attention immediately. Induce vomiting only if immediate medical attention is not possible. Stomach pumping by a physician is safer than inducing vomiting, due to aspiration hazard.



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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>
-4F (closed cup)		1.3	8.3
<b>Extinguishing Media</b>	Alcohol foam, carbon dioxide, dry chemical		
<b>Special Fire Fighting Procedures</b>			
Water may not work to extinguish fire. Use water to keep containers cool in the event of a fire. Wear SCBA with positive pressure demand mode and proper PPE.			
<b>Unusual Fire and Explosion Hazards</b>			
Highly volatile. Vapors collect in low places and ignite away from the point of origin. Vapors can ignite explosively in confined areas.			

## Section VI: Accidental Release Measures

<b>Steps to Be Taken in Case Material is Released or Spilled</b>
Stop spill at the source. Eliminate all possible ignition sources from the area. Pump or suction. Absorb smaller spills with vermiculite or floor absorbant. Prevent from entering sewers or waterways. For a large spill, notify the proper authorities.
<b>Waste Disposal Method</b>
Pump material into clean containers for recovery. Dispose of contaminated materials according to state, federal, and local regulations.

## Section VII: Handling And Storage

<b>Precautions to Be Taken in Handling and Storing</b>
Transfer equipment must be bonded and grounded for safe handling and transfer. Empty containers may contain explosive vapors.
<b>Other Precautions</b>
Vapors are heavier than air and may accumulate and travel a distance from the source and ignite. Never introduce flammable liquids and vapors quickly into a vacuum or spray hot pressurized material into ambient conditions. This could cause explosion.

## Section VIII: Exposure Controls, Personal Protection

<b>Respiratory Protection (Specify)</b>	Chemical cartridge, supplied air, or SCBA, if ambient concentration exceeds safe levels.			
<b>Ventilation</b>	<b>Local Exhaust</b>	Sufficient to keep ambient concentration below PEL.		
	<b>Mechanical (General)</b>	Explosion-proof equipment necessary.		
	<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 skin to protect against exposure is always suggested when working with industrial chemicals.				
<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>	179F	<b>Specific Gravity (H2O = 1)</b>	.783
<b>Vapor Pressure (mm Hg)</b>	78	<b>Melting Point</b>	37F
<b>Vapor Density (Air = 1)</b>	2.7	<b>Evaporation Rate (Butyl Acetate = 1)</b>	6.1
<b>Solubility In Water</b>	negligible		
<b>Appearance and Odor</b>	<b>State</b>		Liquid
Clear, sweet odor			

## Section X: Stability And Reactivity

<b>Stability</b>	<b>Conditions to Avoid</b>	None.
Stable		
<b>Incompatibility (Material to Avoid)</b>	Acids and oxidizers	
<b>Hazardous Decomposition of Byproducts</b>	Carbon dioxide and carbon monoxide	
<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>	None.
Will not occur		

**DOT Shipping Name:** Cyclohexane

**Hazard Class:** 3

**UN Number:** UN1145

**PGII**

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