



Material Safety Data Sheet

Cyclohexanone
Part Number: 06N081

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	Brian Peebles	
Telephone Number	(440) 232-9400	Date Prepared	November 27, 2001	
Fax Number	(440) 232-9477	HMIS	Health	1
Web Site	http://www.hukill.com		Flammability	2
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		
Cyclohexanone	No	108-94-1	25	--	--	25	98-100
<i>* mg/m³ instead of ppm.</i>							

Section III: Hazardous Identification

Emergency Overview:							
Route(s) of Entry	Inhalation?	Yes	Skin?	Yes	Ingestion?	Yes	
Health Hazards (Acute and Chronic)							
Excessive inhalation may cause central nervous system damage or coma. May worsen liver and kidney damage caused by other chemical exposures.							
Signs and Symptoms of Exposure							
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.							
Carcinogenicity	NTP	No	IARC Monographs	No	OSHA Regulated?	No	
Comments	None.						

Section IV: First Aid

Eye Contact	Hold eyelids out and wash eyes for 15 minutes. If irritation persists, seek medical attention.
Skin Contact	Remove contaminated clothing and wash affected areas with soap and water. Decontaminate clothing. If exposure symptoms persist, seek medical attention.
Inhalation	Move victim to fresh air. Administer rescue breathing and oxygen if needed. Seek medical attention.
Ingestion	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

Flash Point (method used)	Flammable Limits	LEL	UEL
111F (closed cup)		1.1	9.4
Extinguishing Media	Alcohol foam, carbon dioxide, dry chemical		
Special Fire Fighting Procedures			
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.			
Unusual Fire and Explosion Hazards			
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

Steps to Be Taken in Case Material is Released or Spilled
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.
Waste Disposal Method
Pump material into clean containers for recovery. Dispose of contaminated materials according to state, federal, and local regulations.

Section VII: Handling And Storage

Precautions to Be Taken in Handling and Storing
Transfer equipment must be bonded and grounded for safe handling and transfer. Empty containers may contain explosive vapors.
Other Precautions
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

Respiratory Protection (Specify)	Chemical cartridge, supplied air, or SCBA, if ambient concentration exceeds safe levels.		
Ventilation	Local Exhaust	Sufficient to keep ambient concentration below PEL.	
	Mechanical (General)	Explosion-proof equipment necessary.	
	Special	None	Other
Protective Gloves	Chemical resistant.		
Eye Protection	Safety glasses with side shields or goggles.		
Other Protective Clothing or Equipment			
Covering skin to protect against exposure is always suggested when working with 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	313F	Specific Gravity (H2O = 1)	.946
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (Air = 1)	3.4	Evaporation Rate (Butyl Acetate = 1)	.38
Solubility In Water	N/A		
Appearance and Odor	State		Liquid
Clear, sweet odor			

Section X: Stability And Reactivity

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

DOT Shipping Name: Cyclohexanone

Hazard Class: 3

UN Number: UN1915

PGIII

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