



Material Safety Data Sheet

Methanol
Part Number: 06M131

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	Admin istrator	
Telephone Number	(440) 232-9400	Date Prepared	August 8, 2002	
Fax Number	(440) 232-9477	HMIS	Health	1
Web Site	http://www.hukill.com		Flammability	3
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		
Methanol	Yes	67-56-1	200	N/A	N/A	200	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	
Heath 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. Internal exposure causes blindness.							
Signs and Symptoms of Exposure							
Eye irritation and redness from exposure. Blindness, esp. delayed after ingestion. 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. Seek medical attention.
Skin Contact	Remove contaminated clothing and wash affected areas with soap and water. If exposure symptoms persist, seek medical attention.
Inhalation	Move victim to fresh air. Give rescue breathing if needed. If exposure is enough to cause CNS depression, seek medical attention.
Ingestion	Seek medical attention. If victim is unconscious, place on left side, head down, to prevent aspiration of vomit. Induce vomiting to prevent intoxication, poisoning, and subsequent blindness.



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Section V: Fire Fighting Measures

Flash Point (method used)	Flammable Limits	LEL	UEL
54F (closed cup)		6	36
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. Product vapors can ignite explosively.			

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. Absorb small spills with vermiculite or floor absorbant. Prevent material 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
Large containers must be bonded and grounded for safe handling and transfer. Empty containers may contain explosive vapors.
Other Precautions
Never release flammable mist or vapor into a vacuum or spray pressurized material into ambient conditions, without first taking the proper solvent resistivity precautions. This could cause static discharge and explosion.

Section VIII: Exposure Controls, Personal Protection

Respiratory Protection (Specify)	Chemical cartridge to protect against organic vapors. Supplied air or SCBA if circumstances require.		
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 any skin that might be susceptible to exposure is always recommended when handling 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	147F	Specific Gravity (H2O = 1)	.795
Vapor Pressure (mm Hg)	28.9	Melting Point	-144F
Vapor Density (Air = 1)	1.11	Evaporation Rate (Butyl Acetate = 1)	2.1
Solubility In Water	soluble		
Appearance and Odor	State		Liquid
Clear, mild alcohol odor			

Section X: Stability And Reactivity

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

DOT Shipping Name: Methanol

Hazard Class: 3

UN Number: UN1230

PGII

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