



Material Safety Data Sheet

Methyl Ethyl Ketone
Part Number: 06M141

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	2
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		
Methyl ethyl ketone (MEK)	Yes	78-93-3	200	--	N/A	200	98-100
<i>* mg/m³ instead of ppm.</i>							

Section III: Hazardous Identification

Emergency Overview:							
Danger! Flammable Liquid and Vapor. Causes severe eye irritation. Causes skin irritation. Causes respiratory irritation. Overexposure may cause central nervous system damage.							
Route(s) of Entry	Inhalation?	Yes	Skin?	Yes	Ingestion?	Yes	
Health Hazards (Acute and Chronic)							
Eye contact causes severe irritation. Skin contact causes moderate irritation. Repeated or prolonged contact may cause defatting which may result in dermatitis. Breathing causes irritation. Overexposure may cause central nervous system damage. Swallowing may cause central nervous system effects. Aspiration of this product into the lungs during ingestion or vomiting may cause severe lung damage that may be fatal.							
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	None.						

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 induce vomiting because of danger of aspirating liquid into lungs. If spontaneous vomiting occurs, monitor for breathing difficulty.



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Section V: Fire Fighting Measures

Flash Point (method used)	Flammable Limits	LEL	UEL
23F		2	11.5
Extinguishing Media	Use dry chemical, alcohol foam, all purpose AFFF, or carbon dioxide to extinguish fire.		
Special Fire Fighting Procedures			
Exposed firefighters must wear NIOSH approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.			
Unusual Fire and Explosion Hazards			
Dangerous when exposed to heat or flame. Will form flammable or explosive mixtures with air at room temperature. Vapor or gas may spread to distant ignition sources and flash back. Vapors or gas may accumulate in low areas. Runoff to sewer may cause fire or explosion hazard.			

Section VI: Accidental Release Measures

Steps to Be Taken in Case Material is Released or Spilled
Shut off ignition sources, no flares, smoking or flames in hazard area. Stop leak if you can do it without risk. Use water spray to reduce vapors but it may not prevent ignition in closed spaces. 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
Dispose of contaminated materials according to state, federal, and local regulations.

Section VII: Handling And Storage

Precautions to Be Taken in Handling and Storing
Avoid contact with eyes, skin or clothing. Avoid breathing vapors and aerosols. Use only with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet facilities. Keep away from heat, sparks, and flame. Keep container closed. Keep operating temperatures below ignition temperatures at all times. Use non-sparking tools. Store in tightly closed containers in cool, dry, isolated, well-ventilated area away from heat, sources of ignition and incompatibles. Ground lines and equipment used during transfer to reduce the possibility of static spark-initiated fire or explosion. Store at ambient or lower temperature. Protect from physical damage. Store out of direct sunlight.
Other Precautions
None.



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Section VIII: Exposure Controls, Personal Protection

Respiratory Protection (Specify)	Chemical cartridge, supplied air, or SCBA, as circumstances require.			
Ventilation	Local Exhaust	Sufficient to keep ambient concentration below PEL.		
	Mechanical (General)	Explosion-proof equipment necessary.		
	Special	None	Other	None
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.				

Section IX: Physical And Chemical Properties

Boiling Point	175F	Specific Gravity (H2O = 1)	.805
Vapor Pressure (mm Hg)	70	Melting Point	N/A
Vapor Density (Air = 1)	2.5	Evaporation Rate (Butyl Acetate = 1)	5.7
Solubility In Water	soluble		
Appearance and Odor	State	Liquid	
Clear, strong characteristic 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: Methyl Ethyl Ketone

Hazard Class: 3

UN Number: UN1193

PGII

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