



Material Safety Data Sheet

Methyl Isobutyl Ketone

Part Number: 06M161

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 13, 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 isobutyl ketone (MIBK)	Yes	108-10-1	50	N/A	N/A	50	100
<i>* mg/m³ instead of ppm.</i>							

Section III: Hazardous Identification

Emergency Overview: Danger! Flammable Liquid and Vapor. Causes eye and 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 cause moderate to severe irritation. Skin contact causes irritation. Prolonged or repeated contact may cause defatting of skin and dermatitis. Breathing causes irritation. Aspiration of this product into the lungs during ingestion or vomiting may cause lung damage that may be fatal. Overexposure may cause central nervous system damage.							
Signs and Symptoms of Exposure Central nervous system effects include dizziness, headaches, 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 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
61F		1.2	8
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. Containers may explode in heat or fire. Vapors may concentrate in confined area. Liquid may float and may reignite on surface of water.			

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 sand or other noncombustible nonabsorbent material and place in containers for later disposal. Large spills: Dike far ahead of liquid spill for later disposal.
Waste Disposal Method
Waste material may considered hazardous under EPA-RCRA (40 CFR 261). Follow latest EPA or state regulations regarding proper disposal.

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. Keep container closed. 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 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. Store in tightly closed containers. Store out of direct sunlight. Protect from physical damage.
Other Precautions
None



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Section VIII: Exposure Controls, Personal Protection

Respiratory Protection (Specify)	Air-purifying respirator for organic vapors if needed. Supplied-air or SCBA if circumstances require.		
Ventilation	Local Exhaust	Sufficient to keep vapor concentration below PEL	
	Mechanical (General)	Use explosion-proof ventilation	
	Special	None	Other
Protective Gloves	Chemical resistant.		
Eye Protection	Safety glasses with side shields or goggles.		
Other Protective Clothing or Equipment			
Skin protection needed if exposure to skin is possible.			
Work/Hygienic Practices			
Wash hands after handling and before eating, smoking, or using the toilet.			

Section IX: Physical And Chemical Properties

Boiling Point	241F	Specific Gravity (H2O = 1)	.80
Vapor Pressure (mm Hg)	15	Melting Point	-119.2F
Vapor Density (Air = 1)	3.5	Evaporation Rate (Butyl Acetate = 1)	1.6
Solubility In Water	1.7 wt%		
Appearance and Odor	State	Liquid	
Colorless liquid. Pleasant odor			

Section X: Stability And Reactivity

Stability	Conditions to Avoid	None.
Stable		
Incompatibility (Material to Avoid)	Alkali, strong mineral acids, and halogens.	
Hazardous Decomposition of Byproducts	Carbon Monoxide and unidentified organics may be formed during combustion.	
Hazardous Polymerization	Conditions to Avoid	None.
Will not occur		

DOT Shipping Name: Methyl Isobutyl Ketone

Hazard Class: 3

UN Number: UN1245

PGII

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