



COLUMBUS CHEMICAL INDUSTRIES INC.

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Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements

U.S. Department of Labor

Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072

IDENTITY (as Used on Label and List)

Methyl Isobutyl Ketone

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturers /Distributor Address Number Street City State and Zip Code	Emergency Telephone Number
Columbus Chemical Industries, Inc.	CHEMTREC 1-800-424-9300
N4335 Temkin Rd	Telephone Number for Information
Columbus, WI 53925-0008	920-623-2140
	Date Prepared
	01-04-2007
	Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Methyl Isobutyl Ketone** *	108-10-1	410 mg/m ³	50 ppm TWA	Not Available	100%

* Synonyms: Hexone, MIBK

**Subject to the reporting requirements of SARA Title III Section 313.

Section III - Physical/Chemical Characteristics

Boiling Point	117°C(242 °F)	Specific Gravity (H ₂ O = 1)	0.8017
Vapor Pressure (mm Hg) @ 20 °C (68 °F)	16 mmhg	Melting Point	-120°C(-85 °F)
Vapor Density (AIR = 1)	3.5	Evaporation Rate (Butyl Acetate = 1)	1.6
Solubility in Water	1-5 mg/mL @ 21 °C		
Appearance and Odor	colorless liquid		

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
18°C (64 °F)		1.2%	8.0 % @200°F

Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray.

Special Fire Fighting Procedures

In the event of a fire, wear full protective clothing and NIOSH/MSHA-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Unusual Fire and Explosion Hazards

May form explosive peroxides with air.

Section V Reactivity Data

Stability	Unstable		Conditions to Avoid	Heat, oxidizers, reducing agent
	Stable	X		

Incompatibility Materials to Avoid

oxidizing agents, air, reacts vigorously with reducing agents, caustic soda, strong acids

Hazardous Decomposition or Byproducts

carbon oxides

Hazardous Polymerization**Conditions to Avoid**

	May Occur		Not applicable
	Will Not Occur	X	

Section VI Health Hazard Data**Routes of Entry****Inhalation ?****Skin ?****Ingestion ?**

Multiple	Yes	Yes	Yes
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Health Hazards (Acute and Chronic)

SKIN: May cause irritation and may be harmful if absorbed through the skin. EYE: Causes eye irritation.

INHALATION: May be harmful if inhaled. Material may be irritating to the mucous membranes and upper respiratory tract. INGESTION: Harmful if swallowed. Causes central nervous system depression.

Carcinogenicity**NTP****IARC Monographs****OSHA REGULATED?**

	Not Listed	Not Listed	Not Listed
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Signs and Symptoms of Exposure.

INHALATION: Wheezing, headache, coughing, anesthesia, dizziness, vomiting, drowsiness. INGESTION: Vomiting, nausea,

dizziness, somnolence, diarrhea, vomiting, unconsciousness and coma. SKIN/EYES: Redness, swelling, itching.

Medical Conditions Generally Aggravated by Exposure

Asthma, emphysema, other respiratory diseases.

Emergency and First Aid Procedures

Call Physician, EYES /SKIN: immediately flush with large amounts of water for at least

15 minutes. Remove contaminated clothing. Assure adequate flushing of eyes by separating eyelids with fingers.

INHALATION: remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

INGESTION: if swallowed, call a physician immediately, do not induce vomiting. Do not leave victim unattended.

Section VII Precautions for Safe Handling and Use**Steps to be Taken in Case Material is Released or Spilled**

Evacuate unprotected personnel from area. Wear respirator with organic cartridge,

personal protective equipment. Absorb spill with vermiculite, sand or other inert material and pickup. Place into

container and hold for disposal. Neutralize with soda ash or lime. Wash spill area thoroughly with water after pickup.

Waste Disposal Method Dispose in accordance with all applicable Federal, state and local regulations.

Precautions to be Taken in Handling and Storing

Keep in tightly closed plainly-labelled containers, stored in a cool, dry, ventilated area. Protect against physical damage. Keep away from heat, sparks and flame. Maintain adequate ventilation. Ground all equipment containing this material. Keep away from oxidizers. FLAMMABLE!

Other Precautions Containers, even when empty, will retain residue. Always obey hazard warnings and

handle empty containers as if they were full.

Section VII Control Measures

Respiratory Protection (Specify Type) NIOSH/MSHA approved respirator with organic cartridge.

Ventilation	Local Exhaust	Necessary.	Special	Safety shower nearby.
	Mechanical (General)	Preferred.	Other	Eyewash nearby.

Protective Gloves Appropriate chemical-resistant gloves.

Eye Protection Chemical Safety Goggles.

Other Protective Clothing or Equipment Rubber apron, boots.

Work /Hygienic Practices Do NOT wear contact lenses. Wash thoroughly after handling. Wash contaminated clothing promptly. Do not breathe mist or vapor. Avoid contact with eyes, skin and clothing. Discard contaminated shoes. Avoid prolonged or repeated exposure.

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