



COLUMBUS CHEMICAL INDUSTRIES INC.

P.O. BOX 8
 COLUMBUS, WISCONSIN 53925-0008
 (920) 623-2140
 FAX (920) 623-2577

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 Ethyl 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

Columbus Chemical Industries, Inc.

N4335 Temkin Rd

Columbus, WI 53925-0008

Emergency Telephone Number

CHEMTREC 1-800-424-9300

Telephone Number for Information

920-623-2140

Date Prepared

11-24-2003

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 Ethyl Ketone** *	78-93-3	590 mg/m ³	STEL 300 15 min	N/A	100%

* Synonyms: MEK, 2-Butanone

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

Section III - Physical/Chemical Characteristics

Boiling Point	80°C(176 °F)	Specific Gravity (H ₂ O = 1)	0.8020
Vapor Pressure (mm Hg) @ 20 °C (68 °F)	79 mmhg	Melting Point	-86°C(-123 °F)
Vapor Density (AIR = 1)	2.5	Evaporation Rate (Butyl Acetate = 1)	Not Available

Solubility in Water

Complete

Appearance and Odor

colorless, pungent liquid

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
404°C (759 °F)		1.8%	11.5

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

Flashback along vapor trail may occur. Vapor may explode if ignited in an enclosed area

Section V Reactivity Data

Stability	Unstable		Conditions to Avoid	Heat, oxidizers, incompatible
	Stable	X		materials

Incompatibility Materials to Avoid

Strong oxidizers, amines, ammonia, inorganic acids, caustics, copper, isocyanates, pyridines

Hazardous Decomposition or Byproducts

When heated to decomposition it emits acrid smoke and fumes.

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?**

	No	No	No
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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 self-contained breathing apparatus,

personal protective equipment. Absorb spill with vermiculite, sand or other inert material and pickup. Place into container and hold for disposal. 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 dust/mist 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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