



E K Industries, Inc.

1403 Herkimer Street
Joliet, IL 60432-1059
(815) 723-4000
www.eki-chem.com

MATERIAL SAFETY DATA SHEET

PRODUCT Methyl Alcohol
PRODUCT CODES 5860; 5861; 5865
REVISION DATE 09/30/2009

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SECTION 1 PRODUCT IDENTIFICATION

PRODUCT NAME Methyl Alcohol
PRODUCT CODES 5860; 5861; 5865
SYNONYMS Methanol
CAS NUMBER 67-56-1
FORMULA CH₃OH
FORMULA WEIGHT 32.04
REVISION DATE 09/30/2009

24 HOUR EMERGENCY TELEPHONE

CALL CHEMTREC (800) 424-9300

Contact CHEMTREC (Chemical Transportation Emergency Center) only in the event of emergencies involving a chemical spill, leak, fire, exposure or other accident.

SECTION 2 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER. FLAMMABLE LIQUID AND VAPOR. MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED. HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. CAUSES IRRITATION. AFFECTS CNS AND LIVER.

PRECAUTIONARY MEASURES

Keep away from heat, sparks and flame. Avoid contact with skin, eyes and clothing. Avoid breathing vapor. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE

SKIN CONTACT Causes irritation and defatting of skin.
EYE CONTACT Causes irritation.
IF INHALED Causes irritation. May cause headache, drowsiness, nausea, vomiting, blurred vision, blindness, coma, and death.
IF SWALLOWED Intoxicant. Symptoms similar to inhalation.
CHRONIC Skin irritation, vision loss.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE Skin and eye disorders, impaired liver and kidney function.

TARGET ORGANS Liver, Kidneys.



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CARCINOGENICITY Not listed by NTP, IARC, or OSHA.

SECTION 3 FIRST AID PROCEDURES

SKIN CONTACT Immediately flush with plenty of water for at least 15 minutes while removing contaminated garments. Get medical attention for persistent irritation.

EYE CONTACT Immediately flush with plenty of water for at least 15 minutes, separating eyelids occasionally. Get immediate medical attention.

IF INHALED Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

IF SWALLOWED If conscious, induce vomiting immediately as directed by medical personnel.

SECTION 4 FIRE FIGHTING MEASURES

FLASH POINT (C) 12

EXPLOSIVE LIMITS (%) **UPPER** 36 **LOWER** 6

AUTOIGNITION TEMPERATURE (C) 464

NFPA HAZARD IDENTIFICATION Health: 1 Flammability: 3 Reactivity: 0 Special Hazards: -

NFPA HAZARD IDENTIFICATION is *not* intended to address occupational exposure occurring under normal conditions of use. It only addresses hazards presented by Fire, Spill or Similar Emergencies. NFPA 704 2007 ed. 1.1 and 1.3.2(1).

EXTINGUISHING MEDIA "Alcohol Foam," dry chemical, CO2

SPECIAL FIRE FIGHTING PRODECURES Fire fighters should wear self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS Vapors may spread long distances and ignite.



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SECTION 5 ACCIDENTIAL RELEASE MEASURES

IF SPILLED Eliminate sources of ignition. Absorb spill with inert material, scoop up and containerize for disposal.

WASTE DISPOSAL METHOD Dispose in accordance with all local, state and federal environmental regulations.

SECTION 6 EXPOSURE CONTROL AND STORAGE

VENTILATION Local preferred.

RESPIRATORY PROTECTION If necessary, APPROVED Organic Vapor respirator.

EYE PROTECTION Chemical splash safety goggles and/or chemical splash face shield.

SKIN PROTECTION Nitrile gloves, lab coat and impervious apron.

STORAGE Store tightly closed in an approved FLAMMABLE LIQUIDS storage area.

SECTION 7 HAZARDOUS COMPONENTS AND EXPOSURE LIMITS

COMPONENT	CAS NUMBER	OSHA PEL	ACGIH TLV
Methyl Alcohol	67-56-1	200 ppm TWA	200 ppm TWA Skin 250 ppm STEL Skin

Methyl alcohol may be subject to the reporting requirements of SARA313 and 40CFR372.



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SECTION 8 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR	Clear, colorless liquid with characteristic Methyl Alcohol odor.	BOILING POINT (C)	64.5
SOLUBILITY IN WATER	Miscible	EVAPORATION RATE	5.9 Butyl Acetate =1
DENSITY / SPECIFIC GRAVITY	SG 0.8	VAPOR PRESSURE (mm Hg)	97@20C
MELTING POINT (C)	-98	VAPOR DENSITY	1.1 Air=1

SECTION 9 STABILITY AND REACTIVITY

STABILITY Stable
CONDITIONS TO AVOID Excessive heat, sources of ignition
MATERIALS TO AVOID Strong oxidizers, aluminum
HAZARDOUS DECOMPOSITION PRODUCTS CO, CO₂, Formaldehyde
HAZARDOUS POLYMERIZATION Will not occur

DISCLAIMER:

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