

MSDS

Material Safety Data Sheet



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Methyl Alcohol

SECTION 1 PRODUCT IDENTIFICATION

NAME: Methyl Alcohol
EKI ORDER NUMBERS: 5860, 5861, 5865
SYNONYMS: Methanol
CAS NO: 67-56-1
FORMULA: CH₃OH
REVISION DATE: 10 March 2004

****LABEL HAZARD STATEMENT AND PRECAUTIONS****

DANGER! POISON! MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED. HARMFUL IF INHALED. CAUSES IRRITATION. FLAMMABLE LIQUID AND VAPOR. Avoid contact with skin, eyes and clothing. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. Avoid breathing vapor. Keep away from heat, sparks, and open flame.

SECTION 2 HAZARDOUS INGREDIENTS / EXPOSURE LIMITS

INGREDIENT/CAS NO	OSHA PEL	ACGIH TLV
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Methyl Alcohol/67-56-1	200 ppm TWA	200 ppm TWA Skin 250 ppm STEL Skin

Methyl Alcohol is subject to the reporting requirements of SARA313 and 40CFR372.

SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

SOLUBILITY IN WATER: Miscible	BOILING POINT (C): 64.5
VAPOR PRESSURE (mm Hg): 97	VAPOR DENSITY: 1.1
SPECIFIC GRAVITY: 0.8	MELTING POINT (C): -98
EVAPORATION RATE: 5.9	
APPEARANCE AND ODOR: Clear colorless liquid. Characteristic methyl alcohol odor.	

SECTION 4 FIRE / EXPLOSION HAZARD DATA

FLASH POINT (C): 11
AUTOIGNITION TEMPERATURE (C): 464
FLAMMABLE LIMITS (%) UEL: 36 LEL: 6.0
EXTINGUISHING MEDIA: Use "alcohol" foam, dry chemical or CO₂.
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive-pressure mode.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Blanket fire and exposed containers with water spray. Flush vapor and spills with water spray. Vapors can flow to a distant ignition source and flash back.

SECTION 5 REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Heat, flames, ignition sources.

MATERIALS TO AVOID: Strong oxidizers, Aluminum.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂, Formaldehyde.

HAZARDOUS POLYMERIZATION: Does not occur.

SECTION 6 HEALTH HAZARD DATA

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE

INHALATION: May cause irritation. Neurotoxic. May cause headache, nausea, vomiting, blurred vision, blindness, coma, death.

SKIN CONTACT: May cause irritation. Causes drying.

EYE CONTACT: Causes irritation.

SKIN ABSORPTION: See under INHALATION.

INGESTION: See under INHALATION.

CHRONIC: Visual impairment, liver enlargement, skin irritation.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Skin or eye disorders, liver or kidney function.

CARCINOGENICITY: None.

****FIRST AID PROCEDURES****

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN CONTACT: Immediately flush with plenty of water for at least 15 minutes, while removing contaminated clothing and shoes. Get medical attention for persistent irritation.

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

INGESTION: If conscious, immediately induce vomiting as directed by medical personnel.

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Ventilate area and eliminate sources of ignition. Absorb spill with inert material and containerize for disposal.

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

SECTION 8 CONTROL MEASURES

VENTILATION: Local preferred.

RESPIRATORY PROTECTION: Full facepiece respirator or self-contained breathing apparatus.

EYE PROTECTION: Chemical safety goggles.

SKIN PROTECTION: Rubber gloves or neoprene gloves. Lab coat and impervious apron.

SECTION 9 STORAGE

Store tightly closed in an approved Flammable Liquid storage area.

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