



MATERIAL SAFETY DATA SHEET

2522 Plantation Center Drive
Matthews, NC 28105
(704) 845 9440

www.ciscochem.com

1. PRODUCT NAME: Methyl Propyl Ketone
2. CHEMICAL NAME: Methyl Propyl Ketone
3. SYNONYMS: MPK, Ethyl acetone, 2-Pentanone
4. CAS NUMBER: 107-87-9
5. COMPOSITION: Methyl propyl ketone 107-87-9 >99%

**IN CASE OF
TRANSPORT EMERGENCY
CONTACT CHEMTREC
USA: 1-800-424-9300
INTERNATIONAL: 1-703-527-3887**

6. PROPERTIES: APPEARANCE: Colorless liquid.
PHYSICAL STATE: Liquid.
MOLECULAR WEIGHT: 86.13
CHEMICAL FORMULA: C₅H₁₀O
ODOR: Acetone, ketone
SPECIFIC GRAVITY (water = 1.0): 0.81 @ 68F
SOLUBILITY IN WATER (weight %): Slightly soluble in water, soluble in most organic solvents
pH: Not determined.
BOILING POINT: 212F @ 760 mm Hg
MELTING POINT: -108F
VAPOR PRESSURE: 16 mm Hg @ 68F
VAPOR DENSITY (air = 1.0): 2.90
EVAPORATION RATE: 2.3 COMPARED TO: Butyl acetate
% VOLATILES: 100
FLASH POINT: 46F

7. HAZARDS: A colorless liquid with an acetone-like odor. May cause skin and eye irritation. May be harmful if swallowed or inhaled. Flammable.

8. FIRE FIGHTING INFORMATION: FLASH POINT: 46F
FLASH POINT METHOD: TCC
AUTOIGNITION TEMPERATURE: 838F
UPPER FLAME LIMIT (volume % in air): 8.70
LOWER FLAME LIMIT (volume % in air): 1.56
FLAME PROPAGATION RATE (solids): Not applicable
OSHA FLAMMABILITY CLASS: Flammable liquid, 1B
EXTINGUISHING MEDIA:
Water spray, fog or mist, "alcohol" foam, carbon dioxide, dry chemicals, sand, dolomite, etc.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
Vapors are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back. Forms explosive mixtures with air.
SPECIAL FIRE FIGHTING PRECAUTIONS/INSTRUCTIONS:
Firefighters should wear self-contained breathing apparatus and full, protective clothing. Cool containers exposed to flames with water from the side until well after the fire is out.

9. PERSONAL PROTECTION MEASURES: Engineering: Provide adequate general and local exhaust ventilation.
Skin: Use protective gloves and other protective clothing to prevent skin contact.
Eyes: Use chemical safety goggles.
Respiratory: Use approved respirator if high airborne concentrations exist.
Other: Eyewash and quick-drench showers.



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10. **FIRST AID PROCEDURES:** SKIN: Promptly wash the skin with soap and water. Remove contaminated clothing and wash before reuse.
EYES: Flush eyes with water for at least 15 minutes. Get medical attention.
INHALATION: Move victim to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen provided a qualified operator is available. Get medical attention.
INGESTION: Immediately give 2 – 4 glasses of water and induce vomiting by touching finger to the back of the throat. Never make an unconscious person vomit or drink fluids. Get immediate medical attention.
ADVICE TO PHYSICIAN: Treat symptomatically.
11. **EXPOSURE LIMITS:** ACGIH TLV: 200ppm TWA
ACGIH TLV: 250ppm STEL
OSHA PEL: 200ppm TWA
12. **TOXICOLOGICAL INFORMATION:** IMMEDIATE (ACUTE) EFFECTS:
LD50 (oral-rat): 1600 mg/kg
LD50 (skin-rabbit): 6500 mg/kg
Rabbit eye / 405 mg / Mild
13. **ECOLOGICAL INFORMATION:** NE
14. **DISPOSAL CONSIDERATIONS:** RCRA: D001
Dispose of in accordance with all applicable laws and regulations governing the disposal of hazardous waste.
15. **CARCINOGENIC PROPERTIES & NOTIFICATIONS:**
16. **TRANSPORT INFORMATION:** US DOT HAZARD CLASS: Class 3, PG II
US DOT ID NUMBER: UN1249
PROPER SHIPPING NAME: Methyl propyl ketone
17. **HANDLING & STORAGE:** NORMAL HANDLING: (See section 8 for recommended personal protective equipment.)
Keep away from heat, sparks and open flames. Avoid contact with skin and eyes. Avoid breathing vapors. Ventilate area well. Use approved respirator if air contamination is above accepted level.
STORAGE RECOMMENDATIONS:
Flammable liquid storage. Keep away from oxidizers, heat, sparks and open flames. Ground container and transfer equipment to eliminate static electric sparks.
18. **ACCIDENTAL RELEASE MEASURES:** IN CASE OF SPILL OR OTHER RELEASE: (See section 8 for recommended personal protective equipment.) Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate area. Runoff or release to sewer, waterway or ground is forbidden. Absorb small quantities with paper towels and evaporate in a safe place (fume hood). Allow sufficient time for vapors to completely clear the hood ducts, then burn the paper in a location away from combustible materials.
19. **REGULATORY INFORMATION:** TOXIC SUBSTANCES CONTROL ACT (TSCA)
TSCA INVENTORY STATUS: Listed on the TSCA Inventory.
OTHER TSCA ISSUES: None
SARA TITLE III/CERCLA
“Reportable Quantities” (RQs) and/or “Threshold Planning Quantities” (TPQs) exist for the following



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ingredients.

INGREDIENT NAME SARA/CERCLA RQ (lb) SARA EHS TPQ (lb)

No ingredients listed in this section.

Spills or releases resulting in the loss of any ingredient at or above its RQ requires immediate notification to the National Response Center [(800) 424-8802] and to your Local Emergency Planning Committee.

SECTION 311 HAZARD CLASS: Immediate. Fire.

SARA 313 TOXIC CHEMICALS:

The following ingredients are SARA 313 "Toxic Chemicals" and may be subject to annual reporting requirements.

CAS numbers and weight percents are found in Section 2.

INGREDIENT NAME COMMENT

No ingredients listed in this section.

STATE RIGHT-TO-KNOW

In addition to the ingredients found in Section 2, the following are listed for state right-to-know purposes.

INGREDIENT NAME WEIGHT % COMMENT

No ingredients listed in this section.

ADDITIONAL REGULATORY INFORMATION:

None.

WHMIS CLASSIFICATION (CANADA):

Not determined.

FOREIGN CHEMICAL CONTROL INVENTORY STATUS:

Listed on EINECS and Canadian DSL.