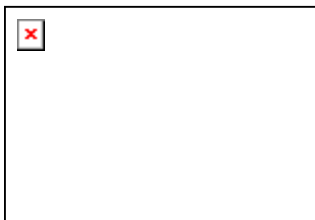


# MATERIAL SAFETY DATA SHEET



Date-Issued: 01/02/2001  
MSDS Ref. No: 217170  
Date-Revised: 02/21/2001  
Revision No: 1

**Methyl Amyl Ketone**

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Methyl Amyl Ketone  
**PRODUCT DESCRIPTION:** Methyl Amyl Ketone  
**PRODUCT CODE:** 217170  
**PRODUCT FORMULATION NAME:** Methyl Amyl Ketone  
**CHEMICAL FAMILY:** Ketone  
**GENERIC NAME:** Methyl n-Amyl Ketone, Amyl Methyl Ketone, 2-Heptanone

<b>MANUFACTURER</b>	<b>24 HR. EMERGENCY TELEPHONE NUMBERS</b>
Americhem Sales Corporation 340 North Street Mason, MI 48854 <b>Contact:</b> Americhem Sales Corporation <b>Product Stewardship:</b> 517-676-9363 <b>Transportation:</b> 517-676-9363	<b>CHEMTREC (U.S.):</b> (800) 424-9300 <b>Canutec</b> (613) 996-6666 <b>Emergency Phone:</b> 800-424-9300

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>	<u>EINECS#</u>
Methyl (n-amyl) ketone	100	110-43-0	

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## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: CAUTION! May cause eye and skin irritation.

## POTENTIAL HEALTH EFFECTS

**EYES:** Moderate Irritation and Discomfort.

**SKIN:** Moderate irritation and discomfort. Defatting of skin and redness are possible. Toxic systemic effects from absorption are expected to be minor.

**INGESTION:** Moderately toxic. May cause mouth and throat irritation. May cause abdominal discomfort, nausea, vomiting, diarrhea, dizziness, drowsiness, and headache. Aspiration into the lungs may occur during ingestion or vomiting, resulting in lung injury.

**INHALATION:** Dizziness, impaired coordination, headaches and loss of consciousness. Severe respiratory tract irritation. Toxic systemic effects are possible.

**ROUTES OF ENTRY:** Absorption, Inhalation, Ingestion

**TARGET ORGAN STATEMENT:** Eyes, Skin, Respiratory System, CNS, Peripheral Nervous System. Skin contact may aggravate an existing dermatitis, Inhalation of material may aggravate asthma and inflammatory or fibrotic pulmonary disease.

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## 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for 15 minutes. If irritation persists, seek medical attention.

**SKIN:** Remove contaminated clothing, wash contaminated area thoroughly with soap and water. If redness or irritation occurs, seek medical attention.

**INGESTION:** Do not Induce Vomiting. Get immediate medical attention.

**INHALATION:** Remove victim from area of exposure. If unconscious, give oxygen. Give artificial respiration if not breathing. Get immediate medical attention.

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## 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** (102°F)ASTM D56

**FLAMMABLE LIMITS:** 1.1 to 7.9

**FLAMMABLE CLASS:** Treat as an OSHA Class II Combustible Liquid

**EXTINGUISHING MEDIA:** Foam, Dry Chemical, Carbon Dioxide, Water Fog

**EXPLOSION HAZARDS:** Vapor accumulations may flash and/or explode if ignited. Keep ignition sources, open flames, ect., away from these fumes.

**FIRE FIGHTING PROCEDURES:**Cool exposed equipment with water spray until well after fire is out. Self-contained breathing apparatus (SCBA) and structural firefighter's protective clothing will provide limited protection.

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## **6. ACCIDENTAL RELEASE MEASURES**

### **SMALL SPILL:**

Extinguish possible sources of ignition. Evacuate all unprotected personnel and ventilate area. Only personnel equipped with proper respiratory, skin/eye protection should enter spill area. Dike area to contain spill and clean up by absorbing on an inert absorbant or other means. Don't flush into sewers or natural waterways.

### **LARGE SPILL:**

Contain material as described above and call the local fire or police department for immediate emergency assistance.

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## **7. HANDLING AND STORAGE**

### **HANDLING:**

When transferring this product, there is potential for the accumulation of static electricity. Consideration should be given to bonding and grounding of equipment during loading, unloading, and transfer of this product.

### **STORAGE:**

Store unopened containers under cool, dry and ventilated conditions. Keep away from heat, sparks and flame.

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## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **EXPOSURE GUIDELINES:**

## OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

### EXPOSURE LIMITS

#### OSHA PEL ACGIH TLV Supplier OEL

ppm mg/m<sup>3</sup> ppm mg/m<sup>3</sup> ppm mg/m<sup>3</sup>

Methyl (n-amyl) ketone                      TWA 100                      50

**ENGINEERING CONTROLS:** Air contaminant levels should be controlled below the PEL or TLV for this product. Mechanical ventilation may be necessary if working with this product in enclosed areas and at elevated temperatures.

### **PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** Wear safety glasses with side shields or goggles when handling this material.

**SKIN:** To prevent any contact, wear impervious protective clothing such as neoprene or butyl rubber gloves, apron, boots or whole bodysuit, as appropriate.

**RESPIRATORY:** Use NIOSH/MSHA approved respirators when vapors or mist concentrations exceed permissible exposure limits.

**PROTECTIVE CLOTHING:** Chemical resistant boots, apron, etc. as necessary to prevent contamination of clothing and skin contact.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Sweet, Pungent odor

**APPEARANCE:** Clear

**COLOR:** Colorless

**PERCENT VOLATILE:** 100

**VAPOR PRESSURE:** 2.2 mmHg at 20°C

**VAPOR DENSITY:** 3.9 (Air=1)

**BOILING POINT:** (304.7°F)

**FREEZING POINT:** (-31°F)

**SOLUBILITY IN WATER:** Slight

**EVAPORATION RATE:** 0.3 (n-Butyl Acetate=1)

**SPECIFIC GRAVITY:** 0.82 (water=1) at 20°C

**MOLECULAR FORMULA:** CH<sub>3</sub>COC<sub>5</sub>H<sub>11</sub>

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## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Exposure to excessive heat, open flames and sparks. Avoid conditions that favor the formation of excessive mists and/or fumes.

**STABILITY:** Stable

**POLYMERIZATION:** Will not occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of Carbon when burned.

**INCOMPATIBLE MATERIALS:** Strong oxidizing agents.

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## 11. TOXICOLOGICAL INFORMATION

### ACUTE

**DERMAL LD<sub>50</sub>:** 12.6 mL/kg (rabbit)

**ORAL LD<sub>50</sub>:** 1600 mg/kg (rat)

**INHALATION LC<sub>50</sub>:** ~3000 ppm (rat, 4 hrs.)

### CARCINOGENICITY:

IARC: Not listed by IARC

NTP: Not listed by NTP.

OSHA: Not listed by OSHA

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## 12. ECOLOGICAL INFORMATION

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## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Conditions of use may cause this material to become a hazardous waste as defined by state or federal law. Use approved treatment, transporters and disposal sites.

**EMPTY CONTAINER:** Keep containers closed when not in use. Do not reuse empty containers.

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## 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** n-Amyl Methyl Ketone  
**PRIMARY HAZARD CLASS/DIVISION:** 3  
**UN/NA NUMBER:** UN1110  
**PACKING GROUP:** III

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## 15. REGULATORY INFORMATION

### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**311/312 HAZARD CATEGORIES:**  
**FIRE: YES PRESSURE GENERATING: NO REACTIVITY: NO**  
**ACUTE: YES CHRONIC: YES**  
**313 REPORTABLE INGREDIENTS:** Not Listed

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA REGULATORY:** This material or its components are listed in the TSCA inventory.

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## 16. OTHER INFORMATION

### REVISION SUMMARY

Revision #: 1

This MSDS replaces the January 02, 2001 MSDS. Any changes in information are as follows:

In Section 1

Prepared By

### NFPA CODES

**HEALTH: 1 FIRE: 2 REACTIVITY: 0**

### HMIS CODES

**HEALTH: \*1 FIRE: 2 REACTIVITY: 0 PROTECTION: X**

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