

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Methyl n-Amyl Ketone (MNAK) ACS Grade
Synonyms: heptan-2-one, Methyl n-Amyl Ketone (MNAK)
CAS Number: 110-43-0
Grade/Purity: ACS Grade
Product Type: Solvents
Product Use: Industrial, Manufacturing or Laboratory use
Manufacturer/Supplier: Alliance Chemical, 204 South Edmond St, Taylor, Texas 76574
Information: 512-365-6838 | www.alliancechemical.com
Emergency: CHEMTEL - 800-255-3924 (24 Hours/Day, 7 Days/Week)

2. HAZARDS IDENTIFICATION

Signal Word: Warning

GHS Pictograms:



Hazard Statements:

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| H226 | Flammable liquid and vapor [Warning Flammable liquids] |
| H302 | Harmful if swallowed [Warning Acute toxicity, oral] |
| H332 | Harmful if inhaled [Warning Acute toxicity, inhalation] |

Precautionary Statements:

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| P210, | P233, P240, P241, P242, P243, P261, P264, P270, P271, P280, P301+P317, P303+P361+P353, P304+P340, P317, P330, P370+P378, P403+P235, and P501 |
|-------|--|

3. COMPOSITION / INFORMATION ON INGREDIENTS

| COMPONENT | % MIN | % MAX | CAS # | EINECS# / ELINCS# | FORMULA | MOLECULAR WEIGHT |
|----------------------|-------|-------|----------|-------------------|---------|------------------|
| Methyl n-Amyl Ketone | 99 | 100 | 110-43-0 | 203-767-1 | C7H14O | 114.19 g/mol |

4. FIRST-AID MEASURES

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| Eyes | Eye: IRRIGATE IMMEDIATELY - If this chemical contacts the eyes, immediately wash (irrigate) the eyes with large amounts of water, occasionally lifting the lower and upper lids. Get medical attention immediately. |
| Skin | Remove contaminated clothes. Rinse skin with plenty of water or shower. |
| Inhalation | Breathing: FRESH AIR - If a person breathes large amounts of this chemical, move the exposed person to fresh air at once. Other measures are usually unnecessary. |
| Ingestion | Swallow: MEDICAL ATTENTION IMMEDIATELY - If this chemical has been swallowed, get medical attention immediately. (NIOSH, 2024) |

5. FIRE-FIGHTING MEASURES

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| Suitable Media | Alcohol-resistant foam, CO2, dry chemical powder. Water spray may be used to cool fire-exposed containers. |
| Unsuitable Media | Do not use a solid water stream — may scatter and spread fire. |

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| Protective Equipment | Wear self-contained breathing apparatus and full protective clothing. |
| Combustion Products | May include carbon oxides and other toxic fumes. See Section 10. |

6. ACCIDENTAL RELEASE MEASURES

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| Personal Precautions | Use PPE as described in Section 8. Ensure adequate ventilation. Evacuate personnel to safe areas. |
| Environmental | Prevent leakage or spillage from entering drains, sewers, or waterways. |
| Containment & Cleanup | Absorb with inert material. Collect in appropriate waste container. Dispose per applicable regulations. |

7. HANDLING AND STORAGE

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| Safe Handling | Use with adequate ventilation. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. Keep container closed when not in use. |
| Safe Storage | Store in a cool, dry, well-ventilated area away from heat, sparks, and open flame. Keep away from incompatible materials (see Section 10). Keep containers tightly closed. Ground and bond containers when transferring material. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use adequate ventilation. Provide eyewash stations and quick-drench showers accessible to areas of use.

Occupational Exposure Limits:

No established occupational exposure limits.

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| Eyes | Wear chemical safety goggles or face shield. |
| Skin | Wear chemical-resistant gloves and protective clothing. |
| Inhalation | Use a NIOSH-approved respirator with organic vapor cartridges. For confined spaces or exposures above the OEL, use supplied-air respiratory protection. |

9. PHYSICAL AND CHEMICAL PROPERTIES

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| Appearance | Clear, colorless liquid |
| Odor | Characteristic |
| Median Particle Size | Not Applicable |
| Particle Size Distribution | Not Applicable |
| Particle Shape | Not Applicable |
| Surface Area | Not Applicable |
| Dustiness | Not Applicable |
| Hygroscopicity | Not Applicable |
| pH | Not Available |
| Melting Point | -35°C (-31°F) |
| Boiling Point | 151°C (303.8°F) |
| Flash Point | 49°C (120.2°F) |
| Vapor Pressure | Not Available |
| Specific Gravity | 0.815 |
| Solubility | Soluble in organic solvents, slightly soluble in water |
| Molecular Formula | C ₇ H ₁₄ O |
| Molecular Weight | 114.19 g/mol |

10. STABILITY AND REACTIVITY

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| Chemical Stability | Stable under recommended storage conditions. |
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| Hazardous Reactions | None under normal processing conditions. |
| Conditions to Avoid | Heat, sparks, open flame, and incompatible materials. |
| Incompatible Materials | Strong oxidizing agents, sources of ignition, heat. |
| Decomposition Products | May produce carbon oxides and other toxic fumes when heated to decomposition. |

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: See Section 2 for GHS hazard classification.

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| IARC | Not listed as carcinogen. |
| NTP | Not listed as carcinogen. |
| OSHA | Not listed as carcinogen. |

12. ECOLOGICAL INFORMATION

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| Ecotoxicity | Fish LC50: 131 mg/L (96 h, Pimephales promelas (flow-through, measured, 24.2 °C; 95% CL 126–137 mg/L)) |
| Persistence | Likely to biodegrade (aerobic, aquatic) |
| Bioaccumulation | log Kow 1.98, BCF 7 (estimated; low) |
| Mobility in Soil | Moderate soil mobility (estimated Koc 280) |

13. DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance with applicable federal, state, and local regulations. Do not dispose of into drains or waterways.

14. TRANSPORT INFORMATION

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| US DOT | UN1110, N-AMYL METHYL KETONE, 3, PG III |
| IMDG | UN1110, N-AMYL METHYL KETONE, 3, PG III |
| IATA/ICAO | UN1110, N-AMYL METHYL KETONE, 3, PG III |
| Marine Pollutant | No |

15. REGULATORY INFORMATION

Regulatory listings not yet on file in this system; consult OSHA, EPA TSCA, EPCRA TRI, and California OEHHA directly.

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| SARA 311/312 | See Section 2 for hazard classifications. |
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16. OTHER INFORMATION

Revision Date: 07/01/2026

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