# Amyl Acetate

Technical

| Standard | Revised | Emergency |
|---|---|---|
| OSHA HCS 2024 · GHS Rev. 7 | 2026-11-12 | Chemtel 1-800-255-3924 (24/7) |

## 1 Identification

| | |
|---|---|
| Product Identifier | Amyl Acetate |
| Grade | Technical |
| CAS Number | 628-63-7 |
| Chemical Formula | C7H1402 |
| Molecular Weight | 130.18 g/mol |
| Manufacturer | Alliance Chemical<br>204 South Edmond Street, Taylor, TX 76574 |
| Emergency Phone | Chemtel 1-800-255-3924 (24/7) |
| Synonyms | Pentyl acetate; 1-pentyl acetate; acetic acid pentyl ester; amyl acetate; banana oil |
| Recommended Use | Solvent for lacquers, nitrocellulose coatings, inks and adhesives; extraction solvent; cleaning. |
| Restrictions on Use | For industrial and laboratory use. Flammable: keep away from ignition sources. Not for food or flavor use. |

## 2 Hazard Identification



Flammable



Irritant / harmful

**Classification**

Flammable liquids, Category 3

Serious eye damage/eye irritation, Category 2A

Specific target organ toxicity, single exposure, Category 3 (respiratory tract irritation)

**Signal Word**

**Warning**

**Hazard Statements**

H226 Flammable liquid and vapor

H319 Causes serious eye irritation

H335 May cause respiratory irritation

**Precautionary Statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof electrical, ventilating, and lighting equipment.

P242 Use non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing dust, fume, gas, mist, vapors or spray.

P264 Wash hands and face thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves, protective clothing, and eye/face protection.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER or doctor if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice or attention.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P501 Dispose of contents and container in accordance with local, regional, national, and international regulations.

Classification, hazard (H) and precautionary (P) statements and pictograms per OSHA HCS 2024 (29 CFR 1910.1200, Appendices A–C), aligned with GHS Rev. 7.

## 3 Composition / Information on Ingredients

| Component | CAS No. | Formula | Concentration |
|---|---|---|---|
| n-Amyl acetate (pentyl acetate) | 628-63-7 | C7H14O2 | ≥ 99% (w/w) |

Concentrations are nominal; lot-specific values appear on the Certificate of Analysis. Components not contributing to classification are omitted.

## 4 First-Aid Measures

**Eyes**

Rinse with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention immediately.

**Skin**

Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing. Wash with soap. Get medical attention immediately.

**Inhalation**

Move person to fresh air and keep comfortable for breathing. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.

**Ingestion**

Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention immediately.

**Most Important Symptoms and Effects**

Eye contact causes irritation: redness, pain and tearing.

Inhalation may irritate the nose, throat and respiratory tract (coughing, sore throat).

**Immediate Medical Attention and Special Treatment**

Treat symptomatically. Get medical attention if symptoms develop or persist.

## 5 Fire-Fighting Measures

**Suitable Extinguishing Media**

Alcohol-resistant foam, CO2, dry chemical powder. Water spray may be used to cool fire-exposed containers.

**Unsuitable Extinguishing Media**

Do not use a solid water stream — may scatter and spread fire.

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| Specific Hazards Arising from the Chemical | Vapors are heavier than air and may form explosive mixtures with air; they can travel to a source of ignition and flash back. Containers may rupture when heated. |
| Protective Equipment | Wear self-contained breathing apparatus and full protective clothing. |
| Hazardous Combustion Products | Carbon monoxide and carbon dioxide on combustion. |

## 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. |
| Hazard-Specific Precautions | Eliminate all ignition sources. Use non-sparking tools and explosion-proof equipment; ground and bond containers during cleanup. |
| Environmental Precautions | 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. |
| Specific Storage Precautions | Keep tightly closed in a cool, well-ventilated flammables area away from ignition sources and oxidizers. Store locked up. Ground and bond containers. |

## 8 Exposure Controls / Personal Protection

### Occupational Exposure Limits

| Limit | Value |
|---|---|
| OSHA PEL | 100 ppm TWA |
| ACGIH TLV | 50 ppm TWA; 100 ppm STEL (pentyl acetate, all isomers) |
| NIOSH REL | 100 ppm (525 mg/m$^3$) TWA |
| IDLH | 1,000 ppm |

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| Engineering Controls | Use adequate ventilation. Provide eyewash stations and quick-drench showers accessible to areas of use. |
| Eye/Face Protection | Wear chemical safety goggles or face shield. |
| Skin Protection | Wear chemical-resistant gloves and protective clothing. |
| Respiratory Protection | Use a NIOSH-approved respirator with organic vapor cartridges. For confined spaces or exposures above the OEL, use supplied-air respiratory protection. |

Exposure limits sourced from NIOSH Pocket Guide, OSHA 29 CFR 1910.1000 and ACGIH TLVs.

## 9 Physical & Chemical Properties

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|---|---|
| Appearance | Liquid |
| Odor | Sweet, banana-or pear-like |
| Odor Threshold | No data available |
| pH | No data available |
| Melting Point / Freezing Point | -71 °C (-96 °F) |
| Boiling Point | 145–152 °C (293–306 °F) distillation range |
| Flash Point | 23–25 °C (73–77 °F), closed cup |
| Evaporation Rate | No data available |
| Flammability (solid, gas) | No data available |
| Upper/Lower Flammability or Explosive Limits | LEL 1.1% / UEL 7.5% (v/v in air) |
| Vapor Pressure | 4 mmHg (5.3 hPa) at 20 °C |
| Vapor Density | 4.5 (air = 1) |
| Relative Density | 0.873–0.879 at 20 °C (water = 1) |
| Solubility | Slightly soluble in water (up to about 10 g/L at 20 °C); miscible with alcohols, ethers and most organic solvents |
| Partition Coefficient (n-octanol/water) | No data available |
| Auto-ignition Temperature | 375 °C (707 °F) |
| Decomposition Temperature | No data available |
| Viscosity | No data available |
| Particle Characteristics | Not applicable |
| Form | Liquid |
| Density | 0.876 g/cm3 at 20 °C |

Values shown reflect product-specific canonical data. Lot-specific ranges may vary; see the Certificate of Analysis for the shipped lot.

## 10 Stability and Reactivity

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| Reactivity | Not reactive under normal conditions of use and storage. |
| Chemical Stability | Stable under recommended storage conditions. |
| Possibility of Hazardous Reactions | None under normal processing conditions. |
| Conditions to Avoid | Heat, sparks, open flame, static discharge and other ignition sources. |
| Incompatible Materials | Strong oxidizing agents; strong acids and bases; nitrates. |
| Hazardous Decomposition Products | Carbon monoxide and carbon dioxide on combustion. |

## 11 Toxicological Information

See below for route-specific acute toxicity data.

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| Likely Routes of Exposure | Inhalation, skin contact, eye contact, ingestion. |
| Symptoms | Eye contact causes irritation: redness, pain and tearing.<br>Inhalation may irritate the nose, throat and respiratory tract (coughing, sore throat). |

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| Delayed and Chronic Effects | No delayed or chronic effects identified beyond the classification in Section 2. |

| Route | Value |
|---|---|
| LD50 Oral | 6,500 mg/kg (rat) |
| LD50 Dermal (rabbit) | > 5,000 mg/kg (8,359 mg/kg, Wako) |

### Carcinogen Classification

| Agency | Status |
|---|---|
| IARC | Not listed as carcinogen. |
| NTP | Not listed as carcinogen. |
| OSHA | Not listed as carcinogen. |

## 12 Ecological Information

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|---|---|
| Ecotoxicity | Data not available. Avoid release to the environment. |
| Persistence & Degradability | Not Available |
| Bioaccumulative Potential | Not Available |
| Mobility in Soil | Not Available |

## 13 Disposal Considerations

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

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| EPA RCRA Waste Codes | D001 (ignitable). Not a P-, U- or F-listed waste. |

If discarded, this material may be an ignitable hazardous waste (EPA RCRA D001, 40 CFR 261.21(a)(1): flash point below 60 °C; aqueous solutions with less than 24% alcohol by volume are excluded). The waste generator must make the final hazardous-waste determination.

## 14 Transport Information

### US DOT (49 CFR)

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| UN Number | UN1104 |
| Proper Shipping Name | Amyl acetates |
| Hazard Class | 3 |
| Packing Group | III |
| Additional US DOT Requirements | Inner packagings of 5 L or less may ship as Limited Quantity (49 CFR 173.150(c)). Not a marine pollutant. |

IMDG / IATA classifications may differ from US DOT. Verify current regulations before international shipment.

## 15 Regulatory Information

| Inventory / List | Status |
|---|---|

| Inventory / List | Status |
|---|---|
| California Proposition 65 | Not listed |
| US EPA TSCA Active Inventory | Listed |
| EPCRA SARA 313 (TRI) | Not listed |
| CERCLA Reportable Quantity (RQ) | Amyl acetate 5,000 lb (2,270 kg), about 685 US gal; no single Alliance package reaches it (largest: 330-gal tote). Not an EPCRA Section 313 chemical. |

SARA 311/312 hazard categories correspond to the GHS classification in Section 2. Data retrieved as of: California Proposition 65 2026-11-02; US EPA TSCA Active Inventory 2026-11-02; EPCRA SARA 313 (TRI) 2026-11-02.

## 16 Other Information

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|---|---|
| Revision Date | 2026-11-12 |
| Format | 16-section format per OSHA HCS 2024 (29 CFR 1910.1200, Appendix D), aligned with GHS Rev. 7. |

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