

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Acetone ACS Grade

**Synonyms:** propan-2-one, Acetone

**CAS Number:** 67-64-1

**Grade/Purity:** ACS Grade

**Product Type:** Ketones

**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](http://www.alliancechemical.com)

**Emergency:** CHEMTEL - 800-255-3924 (24 Hours/Day, 7 Days/Week)

### 2. HAZARDS IDENTIFICATION

**Signal Word:** Warning

**GHS Pictograms:**



**Hazard Statements:**

|        |  |
|--------|--|
| H225   | Highly flammable liquid and vapour                   |
| H319   | Causes serious eye irritation                        |
| H336   | May cause drowsiness or dizziness                    |
| EUH066 | Repeated exposure may cause skin dryness or cracking |

**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, vapours 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.  |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.                           |
| 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.   |

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| COMPONENT | % MIN | % MAX | CAS #   | EINECS# / ELINCS# | FORMULA | MOLECULAR WEIGHT |
|-----------|-------|-------|---------|-------------------|---------|------------------|
| Acetone   | 99.5  | 100.5 | 67-64-1 | 200-662-2         | C3H6O   | 58.08 g/mol      |

### 4. FIRST-AID MEASURES

|                   |  |
|-------------------|--|
| <b>Eyes</b>       | 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.                             |
| <b>Skin</b>       | Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing. Wash with soap. Get medical attention immediately.                                |
| <b>Inhalation</b> | 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. |
| <b>Ingestion</b>  | Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention immediately.                             |

### 5. FIRE-FIGHTING MEASURES

|                             |  |
|-----------------------------|--|
| <b>Suitable Media</b>       | Alcohol-resistant foam, CO2, dry chemical powder. Water spray may be used to cool fire-exposed containers. |
| <b>Unsuitable Media</b>     | Do not use a solid water stream — may scatter and spread fire.   |
| <b>Protective Equipment</b> | Wear self-contained breathing apparatus and full protective clothing.                                      |
| <b>Combustion Products</b>  | May include carbon oxides and other toxic fumes. See Section 10.   |

### 6. ACCIDENTAL RELEASE MEASURES

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

### 7. HANDLING AND STORAGE

|                      |   |
|----------------------|---|
| <b>Safe Handling</b> | Use with adequate ventilation. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. Keep container closed when not in use.  |
| <b>Safe Storage</b>  | 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:**

| AGENCY    | EXPOSURE LIMIT |
|-----------|----------------|
| OSHA PEL  | 1000 ppm TWA   |
| NIOSH REL | 250 ppm TWA    |
| IDLH      | 2500 ppm       |

|                   |   |
|-------------------|---|
| <b>Eyes</b>       | Wear chemical safety goggles or face shield.  |
| <b>Skin</b>       | Wear chemical-resistant gloves and protective clothing.   |
| <b>Inhalation</b> | 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 and OSHA 29 CFR 1910.1000. Hazard classification from ECHA Classification and Labelling Inventory (CLP Annex VI).

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                            |  |
|----------------------------|--|
| 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              | -94°C (-137.2°F)   |
| Boiling Point              | 56°C (132.8°F)   |
| Flash Point                | -17°C (1.4°F)  |
| Vapor Pressure             | Not Available  |
| Specific Gravity           | 0.791  |
| Solubility                 | Soluble in water, alcohols, ether, and many other organic solvents |
| Molecular Formula          | C <sub>3</sub> H <sub>6</sub> O                                    |
| Molecular Weight           | 58.08 g/mol  |

## 10. STABILITY AND REACTIVITY

|                        |   |
|------------------------|---|
| Chemical Stability     | Stable under recommended storage conditions.                                  |
| 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.

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

## 12. ECOLOGICAL INFORMATION

|                  |   |
|------------------|---|
| Ecotoxicity      | Data not available. Avoid release to the environment. |
| Persistence      | Not Available   |
| Bioaccumulation  | 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.

#### 14. TRANSPORT INFORMATION

|                  |                           |
|------------------|---------------------------|
| US DOT           | UN1090, Acetone, 3, PG II |
| IMDG             | UN1090, Acetone, 3, PG II |
| IATA/ICAO        | UN1090, Acetone, 3, PG II |
| 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.

|              |   |
|--------------|---|
| SARA 311/312 | See Section 2 for hazard classifications. |
|--------------|---|

#### 16. OTHER INFORMATION

**Revision Date:** 05/28/2026

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