

SAFETY DATA SHEET

1. Identification of the Substance and of the Company

Revised: July 8, 2025

Product Name: Acetone**WC Code:** 01-068**Product Uses:** Solvent, penetrating oil, chemical intermediate, cleaning agents, medical and cosmetics uses**Company****WINTERSUN CHEMICAL**

1250 E. Belmont St.

Ontario, CA 91761

Call: 909-930-1688

Information / Emergency Telephone**PERS (Professional Emergency Resource Services)**

Domestic Shipments and to Canada: 1-800-633-8253

International Shipments: 1-801-629-0667

2. Hazard Identification

GHS Classification

Acute toxicity, Oral (Category 3), H301

Acute toxicity, Oral (Category 4), H302

Acute toxicity, Dermal (Category 3), H311

Skin corrosion and irritant, Dermal (Category 2), H315

Flammable Liquids (Category 2), H225

Eye corrosion and irritant, Eye (Category 2B), H320

GHS Label Elements**Pictogram****Signal word: DANGER****Hazard Statement(s)**

H301: Toxic if swallowed

H302: Harmful if swallowed.

H315: Causes skin irritation

H311 + H331: Toxic in contact with skin or if inhaled.

H225: Highly flammable liquid and vapor

H320: Causes eye irritation

Precautionary Statement(s)

P202: Do not handle until all safety precautions have been read and understood.

P261: Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P262: Do not get in eyes, on skin, or on clothing.

P264: Wash hands and other exposed area thoroughly after handling.
P301 + P330 + P331 + P312: IF SWALLOWED Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/ doctor/ medical personnel if you feel unwell.
P303 + P361 + P351 + P333 + P313: IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse cautiously with water for several minutes. If skin irritation or rash occurs: Get medical advice/attention.
P304 + P340 + P342 + P311: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P305 + P351 + P338 + P337 + P313: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
P363: Wash contaminated clothing before reuse.
P390: Absorb spillage to prevent material damage.
P405: Store locked up.
P501: Dispose of contents/ container to an approved waste disposal plant in accordance with federal, state and local environmental control regulations.

3. Composition / Information on Ingredients

Synonyms: 2-Propanone, Dimethyl Ketone, Dimethylformaldehyde, Dimethylketal, Beta-Ketopropane, Pyroacetic Acid

CAS #: 67-64-1

Molecular Formula: CH₃COCH₃

Molecular Weight: 58.08 g/ mol

Appearance: Colorless Liquid

4. First Aid Measures

Eye Contact

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical attention if irritation occurs.

Skin Contact

Remove any contaminated clothing. Wipe off excess from skin. Wash skin with soap and flush with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

Inhalation

If inhaled, remove to fresh air immediately and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention for any breathing difficulty.

Ingestion

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

5. Fire Fighting Measures

Fire Hazards in Presence of Various Substances: Highly flammable in presence of open flames and sparks, of heat.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: No data available.
Slightly explosive in presence of open flames and sparks, of oxidizing materials, of acids.

Fire Fighting Procedures / Fire Extinguishing Media

Keep unnecessary people away; isolate hazard area and deny entry. Avoid breathing vapors, stay upwind. Do not enter fire area without structural firefighter's protective equipment including NIOSH approved self-contained breathing apparatus in positive pressure mode. Use water spray to knock down vapors. Use carbon dioxide extinguishers or dry powder for small fires. Large fires are best controlled by alcohol foam, fog, and water spray. Use water spray to cool containers exposed to acetone fires. Stay away from ends of tanks. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. Isolate for 2 mile in all directions if tank, rail car, or tank truck is involved in fire. Acetone - water solutions containing more than 2.0 wt. % acetone will flash at less than 38°C, and should be considered flammable.

Special Remarks on Fire Hazards: Vapor may travel considerable distance to source of ignition and flash back.

6. Accidental Release Measures**Personal Precautions, Protective Equipment and Emergency Procedures**

Use proper personal protective equipment as indicated in Section 8. Keep unnecessary personnel away to safe areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of vapors, mist or gas. Ensure adequate ventilation.

Methods and Materials for Containment and Cleaning Up

Handle in accordance with industrial hygiene and safety practices. Shut off all ignition sources. No smoking or flares allowed in the spill area. Restrict access to the spill area, and move unprotected personnel upwind of the area. Allow only trained personnel wearing appropriate protective clothing and self-contained breathing apparatus in the vicinity of the spill. Prevent acetone from entering water bodies, drains or any sewage collection systems. For small spills, take up with sand or other absorbent material and place into containers for later disposal. Control large spills by diking. Dispose spill material in accordance with federal, state, and local regulations. Acetone spills over the reportable quantity (5,000 lbs.) must be reported to the National Response Center (800-424-8802).

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

7. Handling and Storage**Handling**

DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Take precautionary measures against static discharges. Wear appropriate personal protective equipment. Avoid breathing high vapor concentrations. Avoid contact with eyes and prolonged skin contact. Do not taste or swallow. Use only with adequate ventilation. Wash thoroughly after handling.

Storage

Keep in a well-ventilated place. Empty containers may retain product residue including Flammable or Explosive vapors. Do not cut, drill, grind, or weld near full, partially full, or empty product containers. Keep away from heat and sources of ignition. Store away from incompatible substances. Re-open used containers with caution. Containers which are

opened must be carefully resealed and kept upright to prevent leakage. Store in area designed for storage of flammable liquids.

8. Exposure Controls / Personal Protection

Exposure Limits:

TWA: 500 STEL: 750 (ppm) from ACGIH (TLV) [United States] TWA: 750 STEL: 1000 (ppm) from OSHA (PEL) [United States] TWA: 500 STEL: 1000 [Australia] TWA: 1185 STEL: 2375 (mg/m³) [Australia] TWA: 750 STEL: 1500 (ppm) [United Kingdom (UK)] TWA: 1810 STEL: 3620 (mg/m³) [United Kingdom (UK)] TWA: 1800 STEL: 2400 from OSHA (PEL) [United States] Consult local authorities for acceptable exposure limits.

Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Skin Protection

Wear impervious gloves and flame retardant antistatic protective clothing. Gloves must be inspected prior to use. For leak, spills, or other emergency, use full protective equipment.

Eye Protection

Use splash proof chemical safety goggles. Follow the eye and face protection guidelines of 29 CFR 1910.132 and 1910.133. Where there is any possibility that individual's eyes may be exposed to acetone, an eye wash fountain (in accordance with 29 CFR 1910.151) should be within the immediate work area for emergency use.

Respiratory Protection

Use appropriate NIOSH approved respirators in accordance with 29 CFR 1910.132 and 1910.134, to prevent overexposure. Respirators must be selected based on the airborne levels found in the workplace and must not exceed the working limits of the respirator.

9. Physical and Chemical properties

Appearance: Colorless

Purity, wt %: 99.60% Min.

Water, wt %: 0.300% Max.

Color, APHA: 10 Max.

Permanganate Test, minutes: >120

Specific Gravity (20/20°C): 0.790-0.793

Water Solubility: PASS

Acidity (As Acetic Acid), wt%: 0.0020 % Max.

Non-volatile Matter, g/100 ml: <0.0020 %

Dist. Range, (including 56.1 °C): 1.0 Max.

pH: No data available

Vapor Pressure: No data available

Vapor Density: No data available

Evaporation Rate: No data available

Freezing / Melting Point: No data available

Decomposition Temperature: No data available

Solubility in Water: No data available

Flash Point: No data available

Flammable Limits (% By Vol.): No data available

Auto-ignition Temperature: No data available

10. Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures

Conditions to Avoid: Heat, flames, and sparks

Incompatibilities with Other Materials: Oxidizing agents, strongly alkaline and acid materials

Hazardous Decomposition Products: Thermal decomposition temperatures, carbon monoxide and carbon dioxide.

Hazardous Polymerization: Hazardous polymerization does not occur.

11. Toxicological Information

Component Analysis - LD50/LC50

Acetone (67-64-1)

Rat: LD50 – Route: Inhalation; Dose: 76 mg/L/4H

LD50 – Route: Oral; Dose: 1800 mg/kg

Rabbit: LD50 – Route: Dermal; Dose: 20000 mg/kg

Sensitization: Not a skin sensitizer

Acute effects: Harmful if swallowed - may enter lungs if swallowed or vomited

Local effects: Causes eye irritation. Prolonged or repeated skin contact may cause drying, cracking, or irritation. High vapor concentrations may cause drowsiness and irritation of the eyes or respiratory tract.

Chronic effects: Frequent or prolonged contact may dry the skin, leading to discomfort and dermatitis.

Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

ACGIH Carcinogens: ACETONE (CAS 67-64-1) - A4 Not classifiable as a human carcinogen.

Epidemiology: No epidemiological data is available for this product.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Neurological Effects: High vapor/aerosol concentrations (attainable only at elevated temperatures) may cause central nervous system effects such as dizziness, drowsiness or headaches.

Reproductive Effects: Contains no ingredient listed as toxic to reproduction

Teratogenicity: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

Symptoms and Target Organs: Moderate eye irritation. Upper respiratory tract irritation. Drowsiness and dizziness.

Potential Environmental Effects: The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

OSHA Regulatory Status

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

12. Ecological Information

ACETONE (67-64-1)

EC50 Water flea (*Daphnia magna*): 10294 mg/l 48.00 hours

LC50 Fathead minnow (*Pimephales promelas*): > 100 mg/l 96.00 hours

Ecotoxicity

The product components are not classified as environmentally hazardous. However, this

does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Environmental Effects

Ecological injuries are not known or expected under normal use.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation

The product itself and its products of degradation are not toxic.

13. Disposal Information

WASTE INFORMATION: Waste Code: U002. This product is a D001 ignitable waste in supplied form. Dispose of as special waste in compliance with local and national regulations. Waste codes should be assigned by the user based on the application for which the product was used. Incineration of waste material in an EPA-approved facility is recommended, allowing a solid, inert residue to form. Do not dump into any sewers, on the ground, or into any body of water. Any disposal practice must be in compliance with local, state and federal laws and regulations (contact local or state environmental agency for specific rules).

14. Transport Information**US DOT**

UN/NA: UN1090

Proper Shipping Name: Acetone

Hazard Class: 3

Packing Group: II

IATA/IMDG

UN/NA: UN1090

Proper Shipping Name: Acetone

Hazard Class: 3

Packing Group: II

15. Regulatory Information**SARA 302**

None of the chemicals in this product have a TPQ.

SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

CERCLA/SARA Section 313

No chemicals are reportable under Section 313.

US State**State Right to Know:**

This chemical is listed on the following state right to know lists: Massachusetts, New Jersey, Pennsylvania.

California Regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins that cause cancer, birth defects, or any other reproductive harm.

Other Classifications**WHMIS (Canada)**

CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2B: Material causing other toxic effects (TOXIC).

16. Other Information**HMIS Rating**

Health: 2

Flammability: 3

Physical Hazard: 0

Personal Protection:

NFPA Rating

Health: 2

Flammability: 3

Instability: 0

Special Hazards:

Revision Date: July 8, 2025

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