

■ SIGNAL WORD: DANGER H225: Highly flammable. H319: Serious eye irritation. H336: May cause drowsiness/dizziness.

SECTION 1: IDENTIFICATION

Product Name	Acetone
CAS Number	67-64-1
Synonyms	Dimethyl Ketone; Propan-2-one; 2-Propanone; UN1090; DMK
Product Use	Industrial solvent; cleaning agent; laboratory use
Restrictions	For professional/industrial use only.
Supplier	Cannagas Supply 97 Turnpike Rd, Westborough, MA 01581
Phone	877-710-1965
Email	Sales@canna-gas.com
Emergency Phone	CHEMTREC: 1-800-424-9300 (24-hour)
SDS Revision Date	March 2026

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification	Flammable Liquid Cat 2 (H225). Eye Irritation Cat 2A (H319). STOT SE Cat 3 (H336).
Signal Word	DANGER
Hazard Statements	H225: Highly flammable liquid and vapor. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness.
Precautionary – Prevention	P210: Keep from heat/sparks/flames. P261: Avoid breathing vapors. P264: Wash hands thoroughly. P271: Use in well-ventilated area. P280: Wear PPE.
Precautionary – Response	P303+361+353: IF ON SKIN/HAIR — remove clothing, rinse with water. P305+351+338: IF IN EYES — rinse cautiously with water for several minutes. P337+313: If eye irritation persists — get medical attention. P370+378: Fire — use CO2/dry chemical.
Precautionary – Storage	P403+235: Store in well-ventilated place. Keep cool.
Precautionary – Disposal	P501: Dispose in accordance with local/regional/national regulations.
Other Hazards	Vapors heavier than air — may accumulate in low-lying areas. Peroxide formation possible on long-term storage (less common than ethers). Dissolves many plastics, rubbers, and coatings.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Concentration	EC Number
Acetone (2-Propanone)	67-64-1	≥99.0%	200-662-2

All components on TSCA Inventory.

SECTION 4: FIRST-AID MEASURES

Inhalation	Remove to fresh air. Seek medical attention if symptoms persist.
Skin Contact	Wash with soap and water. Remove contaminated clothing.
Eye Contact	Rinse carefully with water for at least 15 minutes. Remove contact lenses. Seek medical attention if irritation persists.
Ingestion	Call physician. Rinse mouth with water. Do not induce vomiting unless directed.

Key Symptoms Eye irritation, CNS depression (drowsiness, headache, dizziness). No chronic systemic toxicity at normal exposures.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media CO2, dry chemical, alcohol-resistant foam, water spray (to cool containers).

Specific Hazards HIGHLY FLAMMABLE. Flash point -20°C (-4°F). Vapors heavier than air — may travel to distant ignition sources.

Protective Equipment Self-contained breathing apparatus (SCBA) and full protective gear for structural firefighters.

Flash Point -20°C (-4°F) — Closed Cup

Autoignition Temperature 465°C (869°F)

Flammable Limits (LEL/UEL) LEL: 2.5% / UEL: 12.8% in air

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions Chemical-resistant gloves, chemical splash goggles. Eliminate ignition sources.

Environmental Precautions Do not allow to enter drains, sewers, surface or ground water.

Containment & Cleanup Eliminate ignition sources. Absorb with inert material. Ventilate thoroughly.

SECTION 7: HANDLING AND STORAGE

Safe Handling Use in well-ventilated area or fume hood. Eliminate ignition sources. Ground equipment to prevent static.

Safe Storage Cool, well-ventilated area away from heat and ignition. Flammable storage cabinet.

Incompatibles Strong oxidizers, peroxides, strong acids, chlorine-containing compounds.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Limit Type	Value	Authority
Acetone	TWA	1,000 ppm (2,400 mg/m3)	OSHA PEL
Acetone	TWA	500 ppm	ACGIH TLV
Acetone	STEL	750 ppm	ACGIH TLV
Acetone	IDLH	2,500 ppm	NIOSH

Engineering Controls Fume hood or local exhaust. Explosion-proof equipment.

Eye/Face Protection Chemical splash goggles.

Hand Protection Appropriate protective gloves.

Body Protection Lab coat or overalls.

Respiratory Protection Organic vapor cartridge respirator above OEL.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Clear, colorless liquid	Density	0.791 g/mL at 20°C
Odor	Characteristic sweet ketone odor	Molecular Formula	C3H6O MW: 58.08 g/mol
Boiling Point	56.0°C (132.8°F) at 1 atm	Solubility	Completely miscible with water
Flash Point	-20°C (-4°F) — Closed Cup	LEL / UEL	2.5% / 12.8% in air
Auto-ignition	465°C (869°F)	Vapor Density	2.0 (air = 1)
Vapor Pressure	233 hPa at 20°C	pH	Neutral (~7.0)

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Reacts with strong oxidizers and peroxides.
Chemical Stability	Stable under recommended storage conditions.
Hazardous Polymerization	Will not occur.
Conditions to Avoid	Heat, sparks, open flames, strong oxidizers.
Incompatible Materials	Strong oxidizers, peroxides, strong acids, chlorine-containing compounds.
Hazardous Decomp. Products	Carbon monoxide, carbon dioxide, ketene (thermal decomposition).

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Exposure	Inhalation, skin contact, eye contact, ingestion.
Acute Toxicity	LD50 oral (rat): 5,800 mg/kg. Low acute systemic toxicity.
Skin/Eye Effects	Causes serious eye irritation (H319). Defatting of skin with repeated contact.
Respiratory Effects	CNS depression — drowsiness, dizziness (H336). Narcotic at high concentrations.
Carcinogenicity	Not classified as carcinogenic. Not listed on IARC, NTP, or OSHA carcinogen lists.
STOT – Single Exp.	STOT SE Cat 3 — H336: May cause drowsiness or dizziness.
STOT – Repeated Exp.	No STOT RE classification.
Reproductive Toxicity	Not classified.
Chronic Effects	No specific chronic systemic toxicity identified. Naturally produced by the human body (ketone body).

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	Not classified for aquatic toxicity. Rapidly biodegradable — low environmental persistence.
Persistence/Degradability	Readily biodegradable.
Bioaccumulative Potential	Not bioaccumulative. Log Kow -0.24.
Mobility in Soil	Completely miscible with water — high mobility.
Other Adverse Effects	Avoid release to environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods	Dispose as flammable hazardous waste per 40 CFR 261.
Contaminated Packaging	Dispose in accordance with applicable regulations.

SECTION 14: TRANSPORT INFORMATION

	DOT (USA)	IATA (Air)	IMDG (Sea)
UN Number	UN1090	UN1090	UN1090

Proper Ship. Name	Acetone	Acetone	Acetone
Hazard Class	Class 3, PG II	Class 3	Class 3
Packing Group	II	II	II

SECTION 15: REGULATORY INFORMATION

OSHA HazCom	Classified as Hazardous per 29 CFR 1910.1200.
SARA 311/312	Acute Health: Yes Chronic Health: No Fire: Yes Reactivity: No
CERCLA	No reportable quantity.
TSCA	All components listed on US TSCA Inventory.
California Prop. 65	Not listed.
Canadian DSL	All components listed on Canadian DSL Inventory.

SECTION 16: OTHER INFORMATION

Issue Date	March 2026
Version	1.0
Prepared By	Cannagas Supply
Key Sources	GHS Purple Book Rev. 9; OSHA HazCom 2012; NIOSH Pocket Guide; ACGIH TLVs.

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