



HAZTECH
SYSTEMS,™
INC.

Material Safety Data Sheet

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HMIS

Health Hazard	2
Fire Hazard	3
Reactivity	0

PPE (See Section 15)



Section 1. Chemical Product and Company Identification

Trade Name	Acetone	Part #	CKU2847
Manufacturer	HazTech Systems, Inc. PO Box 929 Mariposa, CA 95338	CAS #	67-64-1
Synonyms	2-propanone Dimethyl ketone	RTECS	AL3150000
Chemical Formula	C ₃ H ₆ O	TSCA	TSCA 8(b) inventory: Acetone
Supplier	Spectrum Chemical Mfg. Corp. 14422 S. San Pedro St. Gardena, CA 90248	CI #	

In case of emergency contact CHEMTREC
(24 hours) at 800-424-9300

HazTech Systems, Inc. 800-543-5487

Spectrum Chemical Mfg. Corp. 310-516-8000

Section 2. Composition and Information on Ingredients

Name	CAS #	Exposure Limits			% by Weight
		TWA (mg/m ³)	STEL	CEIL (mg/m ³)	
Acetone	67-64-1	750	1000		100

Toxicological Data on Ingredients	Acetone: ORAL (LD50): Acute: 5800 mg/kg [Rat]. DERMAL (LD50): Acute: 20000 mg/kg [Rabbit.].
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Section 3. Hazards Identification

Potential Acute Health Effects Hazardous in case of skin contact (permeator), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, sensitizer).

Potential Chronic Health Effects CARCINOGENIC EFFECTS: Classified A5 (Not suspected for human.) by ACGIH.
MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Classified None. for human.
DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female, Reproductive system/toxin/male [PROVEN].
The substance is toxic to blood, kidneys, lungs, the nervous system, the reproductive system, liver, mucous membranes, gastrointestinal tract, upper respiratory tract, central nervous system (CNS).
Repeated or prolonged exposure to the substance can produce target organs damage.

**Section 4. First Aid Measures**

Eye Contact	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention.
Skin Contact	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
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.

Section 5. Fire and Explosion Data

Flammability	Flammable.
Auto-Ignition Temperature	465°C (869°F)
Flash Point	CLOSED CUP: -20°C (-4°F). OPEN CUP: -9°C (15.8°F) (Cleveland).
Flammable Limits	LOWER: 2.6% UPPER: 12.8%
Products of Combustion	CO, CO ₂ , H ₂ O
Fire Hazards in Presence of Various Substances	Not applicable.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions	Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog.
Special Remarks on Fire Hazards	Not available.

Section 6. Accidental Release Measures

Small Spill	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
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Section 7. Handling and Storage

Precautions	Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes.
Storage	Keep in HazCat Unknowns Kit.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Use in a well ventilated area.
Personal Protection	Gloves and goggles.



Acetone

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Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid	Volatility	Not available
Molecular Weight	58.08 g/mole	Odor Threshold	62 ppm
pH (1% Solution in Water)	7 [Neutral.]	Water/Oil Dist. Coeff.	Not available
Boiling Point	56.2°C (133.2°F)	Ionicity (in Water)	Not available
Melting Point	-95.35 (-139.6°F)	Dispersion Properties	Is not dispersed in methanol, diethyl ether, n-octanol.
Critical Temperature	Not available	Solubility	Easily soluble in cold water, hot water, methanol, diethyl ether.
Specific Gravity	0.79 (Water = 1)	Odor	Pungent. (Strong.)
Vapor Pressure	24.8 kPa (@ 20°C)	Taste	Not available
Vapor Density	2 (Air = 1)	Color	Colorless

Section 10. Stability and Reactivity Data

Stability	Product is stable.	Corrosivity	Non-corrosive in presence of glass.
Instability Temperature	Not available.	Special Remarks on Corrosivity	Not available.
Conditions of Instability	Not available.	Polymerization	Will not polymerize.
Incompatibility with Various Substances	Not available.		

Section 11. Toxicological Information

Route of Entry	Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 5800 mg/kg [Rat]. Acute dermal toxicity (LD50): 20000 mg/kg [Rabbit.]. Acute toxicity of the vapor (LC50): 29853 4 hours [Rat.].
Chronic Effects on Humans	CARCINOGENIC EFFECTS: Classified A5 (Not suspected for human.) by ACGIH. TERATOGENIC EFFECTS: Classified None. for human. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female, Reproductive system/toxin/male [PROVEN]. Causes damage to the following organs: blood, kidneys, lungs, the nervous system, the reproductive system, liver, mucous membranes, gastrointestinal tract, upper respiratory tract, CNS.
Other Toxic Effects on Humans	Hazardous in case of skin contact (permeator), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, sensitizer).
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on Other Toxic Effects on Humans	Material is irritating to mucous membranes and upper respiratory tract.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
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 products of degradation are more toxic.
Special Remarks on the Products of Biodegradation	Not available.

**Section 13. Disposal Considerations**

Waste Disposal Recycle to process, if possible. Consult your local or regional authorities.

Section 14. Transport Information

DOT Classification CLASS 3: Flammable liquid.

Identification Acetone UNNA: UN1090 PG: II

Special Provisions for Transport Not applicable.

Section 15. Other Regulatory Information and Pictograms

Federal and State Regulations Pennsylvania RTK: Acetone
Massachusetts RTK: Acetone
TSCA 8(b) inventory: Acetone
CERCLA: Hazardous substances.: Acetone

California Proposition 65 Warnings California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Acetone

Other Regulation OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

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

DSCL (EEC) R11- Highly flammable.
R36- Irritating to eyes.
R60- May impair fertility.

Section 16. Other Information

Part number(s) CKU2847

References Not available.

Other Special Considerations Not available.

Validated by R. Houghton 5/13/01

Verified by R. Turkington

Call 1-800-543-5487

Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Haztech Systems, Inc., assumes no responsibility for the completeness or accuracy of the information contained herein.