

MATERIAL SAFETY DATA SHEET



Date Issued: 04/23/2012
MSDS No: 1611-P

Acetone

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Acetone
PRODUCT DESCRIPTION: Acetone
PRODUCT CODE: 1611-P
ACTIVE INGREDIENT(S): Acetone

MANUFACTURER

Techspray, L.P.
1001 N.W. 1st Street
P.O. Box 949
Amarillo, TX 79107
Emergency Contact: Chemtrec
Emergency Phone: 1-800-858-4043
Service Number: 1-800-858-4043

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC CCN#21858 (US Transportation) :(800) 424 - 9300
CANUTEC (Canadian Transportation) :(613) 996 - 6666
Emergency Phone :(800) 858 - 4043

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear, Colorless, Volatile Liquid

IMMEDIATE CONCERNS: Flammable liquid and vapor. Vapor may cause flash fire. Harmful if swallowed or inhaled. Causes irritation to skin, eyes and respiratory tract. Affects central nervous system.

POTENTIAL HEALTH EFFECTS

EYES: Severely irritating to the eyes.

SKIN: Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

SKIN ABSORPTION: None Expected.

INGESTION: Harmful: may cause lung damage if swallowed.

INHALATION: Harmful if inhaled. Prolonged or repeated inhalation may cause lung damage and/or central nervous system disturbances.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Symptoms of overexposure include: stinging, tearing, redness and pain.

SKIN: Prolonged exposure causes redness, pain, drying and cracking of the skin.

SKIN ABSORPTION: None Expected.

INGESTION: For large amounts; abdominal pain, nausea and vomiting.

INHALATION: High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis and loss of consciousness).

ACUTE TOXICITY: Substance causes severe eye irritation. Injury may be permanent.

CHRONIC EFFECTS: Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).

CARCINOGENICITY: None Expected.

MUTAGENICITY: None Expected.

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: None Expected.

TERATOGENIC EFFECTS: None Expected.

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MEDICAL CONDITIONS AGGRAVATED: Use of alcoholic beverages enhances toxic effects.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Acetone	99 - 100	67-64-1	200-662-2

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN: Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.

INGESTION: Aspiration hazard. If swallowed, vomiting may occur spontaneously, but do not induce. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Call a physician immediately.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: -18°C CC

FLAMMABLE LIMITS: 2.1 to 13.0

AUTOIGNITION TEMPERATURE: 540°C (1004°F)

GENERAL HAZARD: Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point.

EXTINGUISHING MEDIA: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

EXPLOSION HAZARDS: Vapors may form explosive mixture with air.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Avoid runoff into storm sewers and ditches which lead to waterways.

LARGE SPILL: -Implement cleanup procedures. -If in public area, keep public away and advise authorities. -Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Store in a cool dry place.

HANDLING: Ground and bond containers when transferring material.

STORAGE: Do not store near combustible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Acetone	TWA	750 ppm ^[1]	1800 mg/m ³ ^[1]	750 ppm	1780 mg/m ³	NL ppm	NL mg/m ³
	STEL	1000 ppm	2400 mg/m ³	1000 ppm	2380 mg/m ³	NL ppm	NL mg/m ³
OSHA TABLE COMMENTS:							
1. NL = Not Listed							

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields (or goggles) and a face shield.

SKIN: Where prolonged contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and/or chemical safety goggles plus a face shield. Chemical resistant PPE constructed of PVA, Neoprene or Butyl rubber should be used. Any contaminated clothing should be promptly removed, washed, and checked for permeation before reuse.

RESPIRATORY: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

WORK HYGIENIC PRACTICES: Wash hands before eating and wash before reuse.

OTHER USE PRECAUTIONS: Emergency shower and eyewash facility should be in close proximity.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Characteristic odor.

APPEARANCE: Clear, Colorless liquid

pH: Not Applicable

PERCENT VOLATILE: 100

VAPOR PRESSURE: 24.7 kPa at 20°C

VAPOR DENSITY: 2 (Air=1)

BOILING POINT: 56.29°C (133.32°F)

FREEZING POINT: -96.54°C (-141.77°F)

MELTING POINT: None

FLASHPOINT AND METHOD: -18°C CC

SOLUBILITY IN WATER: Fully miscible

EVAPORATION RATE: 14.4 (n-Butyl Acetate=1)

DENSITY: 0.792 at 20°C

SPECIFIC GRAVITY: 6.608 (water=1)

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VISCOSITY #1: 0.33 mPa. s. at 20°C

MOLECULAR WEIGHT: 58.08 g/mol

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Heat, flames, ignition sources, and incompatibles.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon (CO and CO₂) may form when heated to decomposition.

INCOMPATIBLE MATERIALS: Concentrated nitric and sulfuric acid mixtures, chloroform, alkalis, chlorine compounds, acids, potassium t-butoxide.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Acetone	5800 mg/kg	20 g/kg	50100 ppm

EYES: 20 mg

Notes: Irritation eye rabbit, severe

ORAL LD₅₀: > 2000 mg/kg (rat)

INHALATION LC₅₀: > 5000 ppm, 1 hour, Rat

CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status
Acetone	NOT LISTED	NOT LISTED	NOT LISTED

IARC: NOT listed

NTP: NOT listed

OSHA: NOT listed

Notes: ACGIH Group A4: Not classifiable as a human carcinogen.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Low toxicity: LC/EC/IC₅₀ > 1000 mg/l

BIOACCUMULATION/ACCUMULATION: Not expected to bioaccumulate significantly.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Federal, State, and Local laws governing disposal of materials can differ. Ensure compliance with proper authorities before disposal.

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14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: CONSUMER COMMODITY ORM-D

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt. %	CAS
Acetone	99 - 100	67-64-1

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Acetone (67-64-1)

Chemical Name	Wt. %	CERCLA RQ
Acetone	99 - 100	5000 lbs.

CERCLA RQ: 5000 lbs

TSCA (TOXIC SUBSTANCE CONTROL ACT)

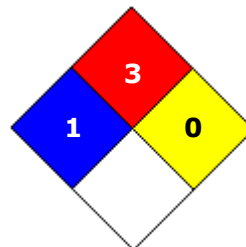
Chemical Name	CAS
Acetone	67-64-1

RCRA STATUS: U002

16. OTHER INFORMATION

APPROVED BY: Pierce A. Pillon **TITLE:** Chemist

NFPA CODES



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