

MATERIAL SAFETY DATA SHEET

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Acetone

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Acetone
PRODUCT DESCRIPTION: Acetone
PRODUCT CODE: 217100
PRODUCT FORMULATION NAME: Acetone
CHEMICAL FAMILY: Ketone
GENERIC NAME: Dimethyl ketone, 2-Propanone, Dimethylformaldehyde

MANUFACTURER

Americhem Sales Corporation
340 North Street
Mason, MI 48854
Contact: Americhem Sales Corporation
Product Stewardship: 517-676-9363
Transportation: 517-676-9363

24 HR. EMERGENCY

TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 424-9300
Canutec (613) 996-6666
Emergency Phone: 800-424-9300

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>	<u>EINECS#</u>
Acetone	100	67-64-1	200-662-2

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: DANGER! Extremely Flammable Liquid & Vapor - vapor may cause flash fire. Harmful if inhaled, High vapor concentrations may cause dizziness. Causes skin and eye irritation. Harmful if swallowed.

POTENTIAL HEALTH EFFECTS

EYES: Severe irritation and discomfort. Reversible and/or irreversible corneal damage may occur.

SKIN: Moderate irritation and discomfort possible. Defatting of skin, redness and chemical dermatitis possible. Toxic systemic effects from absorption are possible.

INGESTION: Gastrointestinal tract irritation. Can be fatal if ingested.

INHALATION: Dizziness, impaired coordination, headaches and loss of consciousness. Severe respiratory tract irritation. Toxic systemic effects are possible.

MEDICAL CONDITIONS AGGRAVATED: None known

ROUTES OF ENTRY: Absorption, Inhalation, Ingestion

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for 15 minutes. If irritation persists, seek medical attention.

SKIN: Remove contaminated clothing, wash contaminated area thoroughly with soap and water. If redness or irritation occurs, seek medical attention.

INGESTION: Do not Induce Vomiting. Get immediate medical attention.

INHALATION: Remove victim from area of exposure. If unconscious, give oxygen. Give artificial respiration if not breathing. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: (0°F)

FLAMMABLE LIMITS: 2.6 to 12.8

AUTOIGNITION TEMPERATURE: (869°F)

FLAMMABLE CLASS: Treat as an OSHA Class IB Flammable liquid

EXTINGUISHING MEDIA: Foam, Dry Chemical, Carbon Dioxide, Water Fog

EXPLOSION HAZARDS: Vapor accumulations may flash and/or explode if ignited. Keep ignition sources, open flames, ect., away from these fumes.

FIRE FIGHTING PROCEDURES: Treat as highly flammable/explosive vapor solvent. Vapor is heavier than air and may travel to ignition sources and flashback. Keep unignited containers cool with water. Contaminated fire control waters should be diked or collected in ponds if possible and disposed of properly. Use eye and skin protections and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL:

Extinguish all ignition sources and ventilate area. Evacuate all non-essential personnel. Blanket spill with alcohol resistant foam to limit evaporation. Dike area to contain spill and clean up by absorbing on inert absorbent or by other means. Liquid may be flammable even when mixed with water unless heavily diluted (>5:1). Do not flush into sewers or natural waterways.

LARGE SPILL:

Contain material as described above and call the local fire or police department for immediate emergency assistance.

7. HANDLING AND STORAGE

HANDLING:

Open container slowly to relieve any pressure. Bond and ground all equipment when transferring from one vessel or container to another. This material can accumulate static charge by flow or agitation. Vapors can be ignited by static discharge. Use explosion proof equipment as directed by local fire codes.

STORAGE:

Store unopened containers under cool, dry and ventilated conditions. Keep away from heat, sparks and flame.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

	<u>EXPOSURE LIMITS</u>						
	<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>Supplier OEL</u>		
	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>	
Acetone	TWA	750 ⁽¹⁾	1800	750	1780	NL	NL
	STEL	1000	2400	1000	2380	NL	NL

OSHA TABLE COMMENTS:

1. NL = Not Listed

ENGINEERING CONTROLS: If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure guidelines, additional ventilation or exhaust systems may be required. Where explosive mixtures may be present, electrical systems safe for such locations must be used.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields or goggles when handling this material.

SKIN: To prevent any contact, wear impervious protective clothing such as neoprene or butyl rubber gloves, apron, boots or whole bodysuit, as appropriate.

RESPIRATORY: Use NIOSH/MSHA approved respirators when vapors or mist concentrations exceed permissible exposure limits.

PROTECTIVE CLOTHING: Chemical resistant boots, apron, etc. as necessary to prevent contamination of clothing and skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Sweet, Pungent odor

APPEARANCE: Clear

COLOR: Colorless

pH: Neutral

PERCENT VOLATILE: 100

VAPOR PRESSURE: 181 mmHg at 20°C

VAPOR DENSITY: 2.0 (Air=1)

BOILING POINT: (133°F)

MELTING POINT: (-138°F)

SOLUBILITY IN WATER: Complete

EVAPORATION RATE: 14.5 (n-Butyl Acetate=1)

SPECIFIC GRAVITY: 0.79 (water=1) at 20°C

MOLECULAR FORMULA: C₃H₆O

MOLECULAR WEIGHT: 58.08 8018OML6

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: Exposure to excessive heat, open flames and sparks. Avoid conditions that favor the formation of excessive mists and/or fumes.

STABILITY: Stable

POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide from incomplete combustion, complete combustion produces Carbon Dioxide and Water.

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE

ORAL LD₅₀: 5.8 g/kg (rat)

CARCINOGENICITY:

IARC: Not listed by IARC

NTP: Not listed by NTP.

OSHA: Not listed by OSHA

GENERAL COMMENTS: Ingestion of large quantities of Acetone may cause metabolic changes, drowsiness, coma, and liver and kidney injury.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: BOD= (Lb./Lb.): Acclimated Bacteria:
0.31 - 1.63

COD=(Lb./Lb.): 1.12 - 2.07

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Conditions of use may cause this material to become a hazardous waste as defined by state or federal law. Use approved treatment, transporters and disposal sites.

EMPTY CONTAINER: Keep containers closed when not in use. Do not reuse empty containers.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Acetone

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: UN1090

PACKING GROUP: II

LABEL: Flammable Liquid

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES:

FIRE: YES PRESSURE GENERATING: NO REACTIVITY: NO

ACUTE: YES CHRONIC: NO

313 REPORTABLE INGREDIENTS: Not Listed

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION,
AND LIABILITY ACT)**

CERCLA RQ: 5000 lbs.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: This material or its components are listed in
the TSCA inventory.

16. OTHER INFORMATION

REVISION SUMMARY

Revision #: 1

This MSDS replaces the December 26, 2000 MSDS. Any changes in information
are as follows:

In Section 1

Prepared By

NFPA CODES

HEALTH: 1 FIRE: 3 REACTIVITY: 0

HMIS CODES

HEALTH: -1 FIRE: 4 REACTIVITY: 0 PROTECTION: X

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