



Material Safety Data Sheet Acetone, ACS and HPLC

Section 1 - Chemical Product and Company Identification

MSDS Name:

Acetone, ACS and HPLC

Catalog Numbers:

LC10420, LC10425

Synonyms:

Company Identification:

LabChem Inc
200 William Pitt Way
Pittsburgh, PA 15238

Company Phone Number:

(412) 826-5230

Emergency Phone Number:

(800) 424-9300

CHEMTREC Phone Number:

(800) 424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	Percent
67-64-1	Acetone	100

Section 3 - Hazards Identification

Emergency Overview

Appearance: *Colorless*

Warning! *Extremely flammable liquid. May cause eye and skin irritation. May cause central nervous system depression. Flash Point: -18°C.*

Target Organs: *None known.*

Potential Health Effects

Eye:

May cause moderate eye irritation.

Skin:

May cause irritation and defatting.

Ingestion:

Ingestion may include symptoms of restlessness, gastritis, vomiting, hematemesis, stupor, twitching, collapse, convulsions and paralysis.

Inhalation:

Irritation of the throat and respiratory system, headache, drowsiness, weakness, confusion, nausea, intoxication leading to incoordination and coma.



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Chronic:

Prolonged skin contact may cause dryness, eczema, or dermatitis. Conjunctivitis and corneal erosion can occur from eye exposure.

Section 4 - First Aid Measures

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids until no evidence of chemical remains. Get medical aid at once.

Skin:

Get medical aid. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.

Ingestion:

Get medical aid at once. If victim is conscious, give 2-4 glasses of water and induce vomiting.

Inhalation:

Give artificial respiration if necessary. Get medical aid. Keep victim warm, at rest. Move victim to fresh air.

Notes to Physician:

Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information:

Water may be ineffective. Material is lighter than water and a fire may be spread by the use of water. Avoid breathing vapors, use approved respirator if necessary. Move container if possible, cool with flooding amounts of water. Vapors heavier than air, may travel considerable distance and flash back from source of ignition. Use flooding quantities of water as fog (streams may spread fire), cool all containers. Dangerous fire/negligible explosion hazard when exposed to heat or flame. Vapor-air mixtures explosive above flash point.

Extinguishing Media:

For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

Autoignition Temperature:

869°F (465.00°C)

Flash Point:

-18°C (-0.40°F)

NFPA Rating:

CAS# 67-64-1 health-1; flammability-3; reactivity-0

Explosion Limits:

Lower: 2.6 Upper: 12.8

Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Absorb spills with absorbent (vermiculite, sand, fuller's earth) and place in plastic bags for later disposal. Wear a self contained breathing apparatus and appropriate Personal protection. (See



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Exposure Controls, Personal Protection section). Shut off ignition source, avoid vapors. Isolate, ventilate spill area.

Section 7 - Handling and Storage

Handling:

Wash thoroughly after handling. Use only in a well ventilated area. Avoid breathing dust, vapor, mist, or gas. Vapors heavier than air.

Storage:

Protect from heat and incompatibles. Store capped as a flammable liquid in safety cabinet or vault that is ventilated.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Ventilation equipment must be explosion-proof. Provide local exhaust or general dilution ventilation.

Exposure Limits:

Chemical Name:	ACGIH	NIOSH	OSHA
Acetone	500 ppm TWA;750 ppm STEL	250 ppm TWA; 590 mg/m3 TWA	1000 ppm TWA; 2400 mg/m3 TWA;

OSHA Vacated PELs:

Acetone: 750 ppm TWA; 1800 mg/m3 TWA

Personal Protective Equipment**Eyes:**

Do not wear contact lenses when working with chemicals. An eye wash fountain should be available in the immediate work area. Wear splash-proof safety goggles.

Skin:

Wear butyl rubber gloves, apron, and/or clothing.

Clothing:

Wear butyl rubber gloves, apron, and/or clothing.

Respirators:

Firefighting-- any self-contained breathing apparatus with full facepiece operated in pressure-demand mode.

5000ppm-GMOVc;

20,000ppm-GMOVfb/SAF/SCBAF;

Escape- GMOV/SCBA.

Section 9 - Physical and Chemical Properties

Physical State:	Clear liquid
Color:	Colorless
Odor:	Acetone-like
pH:	No information found.
Vapor Pressure:	181 mm Hg @68°F
Vapor Density:	2.0
Evaporation Rate:	No information found.
Viscosity:	No information found.



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Boiling Point:	133°F (56.11°C)
Freezing/Melting Point:	-138°F (-94.44°C)
Decomposition Temperature:	No information found.
Solubility in water:	Miscible.
Specific Gravity/Density:	0.8
Molecular Formula:	No information found.
Molecular Weight:	No information found.

Section 10 - Stability and Reactivity

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials, ignition sources, heat.

Incompatibilities with Other Materials:

Permonosulfuric acid, potassium hypobromite, bromine trifluoride, dioxygen difluoride, nitrosyl and nitryl perchlorate, hydrogen peroxides, bromoform, chloroform, nitric acid, sulfuric acid, sulfur dichloride, bromine, platinum, sodium hypoiodite, thiotriazolyl perchlorate, hexachloroamine, thiodiglycol, chromium trioxide, chromic anhydride, potassium t-butoxide.

Hazardous Decomposition Products:

Oxides of carbon.

Hazardous Polymerization:

Has not been reported

Section 11 - Toxicological Information

RTECS:

CAS# 67-64-1: AL3150000.

LD50/LC50:

CAS# 67-64-1:

Inhalation, rat: LC50 = 50100 mg/m³/8H

Oral, mouse: LD50 = 3 gm/kg

Oral, rabbit: LD50 = 5340 mg/kg

Oral, rat: LD50 = 5800 mg/kg

Skin, rabbit: LD50 = 20 gm/kg.

Carcinogenicity:

CAS# 67-64-1

ACGIH: A4 - Not Classifiable as a Human Carcinogen

California: Not listed.

NIOSH: Not listed.

NTP: Not listed.

OSHA: Not listed.

IARC: Not listed.

Epidemiology:

Acetone-- mild eye, mucous membrane and skin irritant and central nervous system depressant.

Alcoholic beverages enhance effect, increasing exposure risk for persons with chronic respiratory or skin disease.



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Teratogenicity:

Reproductive:

Mutagenicity:

Neurotoxicity:

Section 12 - Ecological Information

No information found.

Section 13 - Disposal Considerations

Dispose of in accordance with Federal, State, and local regulations.

Section 14 - Transport Information

US DOT

Shipping Name: ACETONE
Hazard Class: 3
UN Number: UN1090
Packing Group: PG II

Section 15 - Regulatory Information

US Federal

TSCA:

CAS# 67-64-1 is listed on the TSCA Inventory.

SARA Reportable Quantities (RQ):

CAS# 67-64-1: final RQ = 5000 pounds (2270 kg)

CERCLA/SARA Section 313:

None of the components are on this list.

OSHA - Highly Hazardous:

None of the components are on this list.

US State

State Right to Know:

Acetone can be found on the following state Right-to-Know lists: California, New Jersey, Florida, Pennsylvania, Minnesota, Massachusetts.

California Regulations:

European/International Regulations

Canadian DSL/NDSL:

CAS# 67-64-1 is listed on Canada's DSL List.



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Canada Ingredient Disclosure List:

CAS# 67-64-1 is listed on Canada's Ingredient Disclosure List.

Section 16 - Other Information

MSDS Creation Date: November 12, 1998

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