



HI-VALLEY CHEMICAL

LABORATORY PRODUCTS

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SAFETY DATA SHEET

Hi Valley Chemical

Acetone

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Acetone
Synonyms: Dimethylketone
SDS Number: R-003
Product Code: 511110-pt; 511110-qt; 511110-1; 511110-5; 511110-30; 511110-55
Revision Date: 8/4/2015
Version: 1.0
CAS Number: 67-64-1
Supplier Details: High Valley Products, Inc.
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Centerville, Utah 84014
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2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

Physical, Flammable Liquids, 2
Health, Serious Eye Damage/Eye Irritation, 2 A
Health, Specific target organ toxicity - Single exposure, 3

GHS Label elements, including precautionary statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H225 - Highly flammable liquid and vapor
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness

GHS Precautionary Statements:

P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/light/equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash _ thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P337+313 - Get medical advice/attention.
P370+378 - In case of fire: Use _ for extinction.
P403+233 - Store in a well ventilated place. Keep container tightly closed.
P403+235 - Store in a well ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container to _

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
67-64-1	100%	Acetone

4 FIRST AID MEASURES

First Aid Measures:

Ingestion: Do NOT induce vomiting. Never give liquid to an unconscious person. Get medical attention immediately.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. Perform artificial respiration if breathing has stopped. Get medical attention.

Skin contact: Immediately flush with plenty of water for at least 15 minutes and see a doctor.

Eye contact: If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

5 FIRE FIGHTING MEASURES

Flammability:	No data available.
Flash Point:	-16.99 °C (1.42 °F)
Flash Point Method:	Closed cup
Autoignition Temp:	465.0 °C (869.0 °F)
LEL:	2% (V)
UEL:	13% (V)

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Wear self contained breathing apparatus and other protective clothing.
Use water spray to cool unopened containers.

6 ACCIDENTAL RELEASE MEASURES

Use personal protective equipment. Keep unauthorized personnel away.
Pick up excess with inert absorbant material and place into separate waste container.

7 HANDLING AND STORAGE

Handling Precautions:	Keep away from oxidizers and sources of ignition. Avoid contact with eyes, skin, or clothing. Avoid breathing vapors or mist.
Storage Requirements:	Keep container tightly closed in a cool, well ventilated place. Keep away from heat, sparks, and flames.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Use explosion -proof ventilation equipment to stay below exposure limits. Provide adequate ventilation. Provide eyewash station and safety shower.

Personal Protective Equipment:

Acetone (67-64-1) [100%]

Personal protective equipment

Eye/face protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact: Material: butyl-rubber Minimum layer thickness: 0.3 mm Break through time: 480 min Material tested:Butoject (KCL 897 / Aldrich Z677647, Size M)

Splash contact: Material: butyl-rubber Minimum layer thickness: 0.3 mm Break through time: 480 min Material tested:Butoject (KCL 897 / Aldrich Z677647, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection: impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Acetone (67-64-1) [100%]

Components with workplace control parameters

TWA 500 ppm USA. ACGIH Threshold Limit Values (TLV)

Eye & Upper Respiratory Tract irritation

Central Nervous System impairment

Hematologic effects

Substances for which there is a Biological Exposure Index or Indices (see BEI section)

Not classifiable as a human carcinogen

STEL 750 ppm USA. ACGIH Threshold Limit Values (TLV)

Eye & Upper Respiratory Tract irritation

Central Nervous System impairment

Hematologic effects

Substances for which there is a Biological Exposure Index or Indices (see BEI section)

Not classifiable as a human carcinogen

STEL 1,000 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
2,400 mg/m3

The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors.

TWA 1,000 ppm USA. Occupational Exposure Limits

2,400 mg/m³ (OSHA) - Table Z-1 Limits for Air Contaminants

The value in mg/m³ is approximate.

TWA 250 ppm USA. NIOSH Recommended
590 mg/m³ Exposure Limits

TWA 750 ppm USA. OSHA - TABLE Z-1 Limits for
1,800 mg/m³ Air Contaminants - 1910.1000

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless liquid.	Odor:	No data available
Physical State:	Liquid	Molecular Formula:	C ₃ H ₆ O
Odor Threshold:	No data available	Solubility:	Water solubility: completely miscible.
Spec Grav./Density:	0.791 g/cm ³	Freezing/Melting Pt.:	No data available
Viscosity:	No data available	Flash Point:	-16.99 °C (1.42 °F)
Boiling Point:	No data available	Vapor Density:	No data available
Partition Coefficient:	No data available	Auto-Ignition Temp:	465.0 °C (869.0 °F)
Vapor Pressure:	No data available	UFL/LFL:	13% (V) 2% (V)
pH:	No data available		
Evap. Rate:	No data available		
Decomp Temp:	No data available		

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STABILITY AND REACTIVITY

Reactivity:	No data available
Chemical Stability:	Product is stable under normal conditions.
Conditions to Avoid:	Heat, flames and sparks.
Materials to Avoid:	Strong Bases; Oxidizing Agents; Reducing agents. Acetone reacts violently with phosphorus oxychloride.
Hazardous Decomposition:	No data available
Hazardous Polymerization:	No data available.

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TOXICOLOGICAL INFORMATION

Acetone (67-64-1) [100%]

Information on toxicological effects

Acute toxicity:

LD₅₀ Oral - rat - 5,800 mg/kg Remarks: Behavioral:Altered sleep time (including change in righting reflex). Behavioral:Tremor.

LC₅₀ Inhalation - rat - 8 h - 50,100 mg/m³

Inhalation: no data available

LD₅₀ Dermal - guinea pig - 7,426 mg/kg

Skin corrosion/irritation: Skin - rabbit Result: Mild skin irritation - 24 h

Serious eye damage/eye irritation: Eyes - rabbit Result: Eye irritation - 24 h

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by

NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: AL3150000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Kidney - Irregularities - Based on Human Evidence

12 ECOLOGICAL INFORMATION

Acetone (67-64-1) [100%]

Information on ecological effects

Toxicity: no data available

Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 13,500.00 mg/l - 48 h.
other aquatic invertebrates

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

13 DISPOSAL CONSIDERATIONS

Acetone (67-64-1) [100%]

Waste treatment methods

Product: Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging: Dispose of as unused product.

14 TRANSPORT INFORMATION

15**REGULATORY INFORMATION**

Component (CAS#) [%] - CODES

RQ(5000LBS), Acetone (67-64-1) [n/a%] CERCLA, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

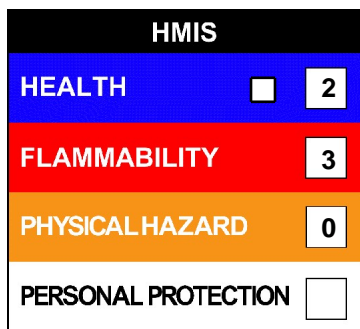
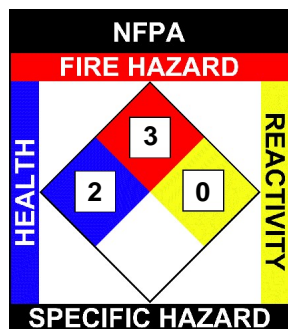
Regulatory CODE Descriptions

RQ = Reportable Quantity
 CERCLA = Superfund clean up substance
 HAP = Hazardous Air Pollutants
 MASS = MA Massachusetts Hazardous Substances List
 NJHS = NJ Right-to-Know Hazardous Substances
 OSHAWAC = OSHA Workplace Air Contaminants
 PA = PA Right-To-Know List of Hazardous Substances
 SARA313 = SARA 313 Title III Toxic Chemicals
 TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
 TSCA = Toxic Substances Control Act
 TXAIR = TX Air Contaminants with Health Effects Screening Level
 TXHWL = TX Hazardous Waste List

16**OTHER INFORMATION**

NFPA: Health = 2, Fire = 3, Reactivity = 0, Specific Hazard = n/a

HMIS III: Health = 2, Fire = 3, Physical Hazard = 0

**Disclaimer:**

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