



# ACETONE

Millenia Productions, LLC.  
DBA La Palm Spa Products®  
3819 N Toben St, Wichita, KS 67226  
PH: (316) 425-2500 FAX: (316) 425-2300

Revision Date: 01-20-2023  
Version 3.0

## SECTION 1: IDENTIFICATION

**Trade Name:** Acetone

**Chemical Name:** 2-Propanone

**Use of Substance/Mixture:** Professional use nail polish remover

**Manufacturer:**

Millenia Productions, LLC.  
3819 N Toben St, Wichita, KS 67226  
(316) 425-2500

**Emergency Phone Number:**

**ChemTel Chemical Expert Assistance Hotline**

Domestic: 1-800-255-3924

International: 01-813-248-0585

ChemTel:365/24/7

Contract Number: MIS0007427

## SECTION 2: HAZARD(S) IDENTIFICATION

**GHS-US Classification**

Flammable liquid. This product is classified as a hazardous substance and as dangerous goods according to the classification criteria of NOHSC and ADG Code (Australia).

**Hazard Pictograms**



**Signal Word**

Danger

**Hazard Statements**

H225 - Highly flammable liquid and vapor.

H319 - Causes serious eye irritation.

**Cercla Section**

<u>Component Name:</u>	<u>Cas#</u>	<u>%by Wt.</u>	<u>RQ (lbs.)</u>
2- Propanone	67-64-1	100%	5,000

**Precautionary Statements**

P210 - Keep away from heat, open flames, sparks. - No smoking.

P233 - Keep container tightly closed.

P240 - Ground/bond container and receiving equipment.

P241 - Use explosion-proof electrical, lighting, ventilating equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures.



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## Precautionary Statements Continued

<b>Ingestion:</b>	If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression.
<b>Eyes/Skin</b>	The liquid may produce eye discomfort and can cause temporary impairment of vision and/or transient eye inflammation, ulceration. The vapor is discomforting to the eye. Splashes may cause severe eye irritation, possible corneal burns, and eye damage. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation, and watering. May be irritating to skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.
<b>Inhalation:</b>	Vapors of this product may be moderately irritating to the nose, throat, and other tissues of the respiratory system.  Symptoms of overexposure can include coughing, wheezing, nasal congestion, and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, dizziness, headaches, nausea). Odor may give some warning of exposure, but odor fatigue may occur.
<b>Symptoms Of Overexposure:</b>	Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.
<b>Acute Health Effects:</b>	Serious irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches, and nausea
<b>Other Hazards</b>	No additional information available
<b>Unknown Acute Toxicity</b>	No data available



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## SECTION 3: COMPOSITION/INGREDIENT INFORMATION

Name	Product Identifier	%
Acetone	67-64-1	100

*Full text of H-phrases: See Section 16*



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## SECTION 4: FIRST-AID MEASURES

### First-Aid Measures

**First-Aid Measures After Inhalation:** Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes, skin, respiratory system).

**First-Aid Measures After Skin Contact:** If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problems persist, seek immediate medical attention.

**First-Aid Measures After Eye Contact:** If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing, including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately. Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.

**First Aid Measures After Ingestion:** If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.

*Seek medical assistance for further treatment, observation, and support if necessary.*

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Method

HazChem Code: 2YE

**Hazard Identification Number:** 33 Water, Foam, CO2, Dry Chemical

Special Hazards Arising from the Substance or Mixture

**Fire Hazard:** This product is an extremely flammable liquid. When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2, NOx). Extinguish all nearby sources of ignition as vapors may travel and flash back.

Advice for Firefighters

**Firefighting Instructions:** First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH-approved self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before returning to service.



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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### **Personal Precautions, Protective Equipment and Emergency Procedures**

Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment.

#### **For Non-Emergency Personnel**

For small spills (e.g., <1 gallon) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state, and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse.

#### **For Emergency Responders**

For spills <sup>3</sup>1gallon, deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth).

#### **Environmental Precautions**

Use ONLY non-sparking tools for recovery and cleanup.

#### **Methods and Material for Containment and Cleaning Up**

Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal.

#### **Reference to Other Sections**

Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

## SECTION 7: HANDLING AND STORAGE

### **Work & Hygiene Practices**

Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well-ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap & water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink, or smoke while handling this product.

#### **Storage Conditions:**

Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessive heat, open flames, sparks, and other possible sources of ignition. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level.

**Keep away from children at all times!**



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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Controls

<b>Appropriate Engineering Controls</b>	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station)
<b>Hand Protection</b>	Wear protective gloves during use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., <sup>3</sup> 1 gallon), wear rubber or impervious plastic gloves.
<b>Eye Protection</b>	Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants
<b>Skin and Body Protection</b>	No apron required when handling small quantities When handling large quantities (e.g., <sup>3</sup> 1 gallon), eyewash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.
<b>Respiratory Protection</b>	For smaller quantities no special respiratory protection is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR §1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia. Wash hands with soap and water if exposed.
<b>Thermal Hazard Protection</b>	Keep away from flame.
<b>Other Information</b>	



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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

Appearance	Liquid
Color	Clear
Odor	Sweet Pungent Odor (Strong Ketone)
Odor Threshold	NE
pH	NA
Relative Evaporation Rate (butyl acetate=1)	11.6
Melting Point	-95 °C (-138 °F)
Freezing Point	NA
Boiling Point	56 °C (133 °F)
Flash Point	-17°C (Closed Cup)
Auto-Ignition Temperature	869 °F
Decomposition Temperature	ND
Flammability (Solid, Gas)	ND
Vapor Pressure	ND
Relative Vapor Density at 20°C	ND
Relative Density	ND
Density	0.791 1
Solubility	Soluble In Water
Specific Gravity	0.791-0.793 D at 20/20 °C
Log Kow	ND
Viscosity, Kinematic	ND
Viscosity, Dynamic	ND
Explosive Properties	ND
Oxidizing Properties	ND
Flammable Limits (Upper)	12.8 %
Flammable Limits (Lower)	2.6 %

### **Other Information**

No additional information available.



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## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Relatively stable under ambient conditions when stored properly

**Possibility of Hazardous Reactions:** If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon & nitrogen).

**Conditions to Avoid:** Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks, flame Strong oxidizers, peroxides, or strong acids.

**Hazardous Decomposition Products:** List of hazardous decomposition products.





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## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects

Likely routes of exposure : Inhalation; Skin and eye contact  
Acute toxicity : Not classified

<b>Acetone (67-64-1)</b>	
LD50 oral rat	5800 mg/kg (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral)
LD50 dermal rabbit	20000 mg/kg (Equivalent or similar to OECD 402, Rabbit, Male, Experimental value, Dermal)
LC50 inhalation rat (mg/l)	76 mg/l (Other, 4 h, Rat, Female, Experimental value, Inhalation (vapors))
ATE US (oral)	5800 mg/kg body weight
ATE US (dermal)	20000 mg/kg body weight
ATE US (gases)	30000 ppmV/4h
ATE US (vapors)	71 mg/l/4h
ATE US (dust, mist)	71 mg/l/4h

Skin corrosion/irritation : Not classified  
pH 7 (10 g/l)

Serious eye damage/irritation : Causes serious eye irritation.  
pH: 7 (10 g/l)

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified  
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified

Reproductive toxicity : Not classified  
Based on available data, the classification criteria are not met

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

Specific target organ toxicity – repeated: : Not classified  
exposure

Aspiration hazard : Not classified

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.



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Symptoms/effects after inhalation:	EXPOSURE TO HIGH CONCENTRATIONS: Feeling of weakness. Irritation of the respiratory tract. Nausea. Vomiting. Headache. Central nervous system depression. Dizziness. Narcosis. Excited/restless. Drunkenness. Disturbed motor response. Respiratory difficulties. Disturbances of consciousness.
Symptoms/effects after skin contact:	ON CONTINUOUS EXPOSURE/CONTACT: Dry skin. Cracking of the skin.
Symptoms/effects after eye contact:	Irritation of the eye tissue.
Symptoms/effects after ingestion:	Dry/sore throat. Risk of aspiration pneumonia. Symptoms similar to those listed under inhalation. AFTER ABSORPTION OF LARGE QUANTITIES: Irritation of the gastric/intestinal mucosa. Change in the blood composition. Change in urine output. Renal disease. Enlargement/disease of the liver.
Symptoms/effects upon intravenous administration	Not available.
Chronic symptoms	ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Red skin. Skin rash/inflammation. Dry/sore throat. Headache. Nausea. Feeling of weakness. Loss of weight. Possible inflammation of the respiratory tract.



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### SECTION 12: ECOLOGICAL INFORMATION

**Biodegradability:** The components of this product will slowly degrade over time into a variety of organic compounds. Specific environmental data available for the components of this product are available but are not presented in this MSDS

**Environmental Effects:** There is no specific data available for this product.

**Eco-toxicity:** Not determined.



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## SECTION 13: DISPOSAL CONSIDERATIONS

**Dispose in accordance with all federal, provincial, and/or local regulations.**

**Waste Disposal:** Dispose in accordance with local, State, and Federal hazardous waste laws.

**Special Considerations:** Waste Disposal: U.S. EPA Characteristic Waste: D001 (ignitability)



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## SECTION 14: TRANSPORT INFORMATION

### Department of Transportation (DOT)

In accordance with DOT  
Transport document description : UN1090 Acetone, 3, II

- UN-No.(DOT) : UN1090
- Proper Shipping Name (DOT) : Acetone
- Transport hazard class(es) (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
- Packing group (DOT) : II - Medium Danger
- Hazard labels (DOT) : 3 - Flammable liquid



- DOT Packaging Non Bulk (49 CFR 173.xxx) : 202
- DOT Packaging Bulk (49 CFR 173.xxx) : 242
- DOT Special Provisions (49 CFR 172.102) : IB2 – Authorized IBCs: Metal (31A, 31B and 31N): Rigid plastics (31H1 and 31H2): Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.  
T4 – 2.65 178.274(d)(2) Normal .....178.275(d)(3)  
TP1 – The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling =  $97 / 1 + a (tr - tf)$  Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees Celsius of the liquid during filling.

- DOT Packaging Exceptions (49 CFR 173.xxx) : 150
- DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L
- DOT Quantity Limitations Cargo aircraft only (49CFR 175.75) : 60 L
- DOT Vessel Stowage Location : B – (i) The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger, vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length: and (ii) “On deck only” on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

Other information : No supplementary information available.



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## Transportation of Dangerous Goods

Transport document description : UN1090 ACETONE, 3, II  
UN-No. (TDG) : UN1090  
Proper Shipping Name (Transportation of Dangerous Goods) : ACETONE  
TDG Primary Hazard Classes : 3 - Class 3 - Flammable Liquids  
Packing group : II - Medium Danger  
Explosive Limit and Limited Quantity Index : 1 L  
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index : 5 L  
Passenger Carrying Ship Index : Forbidden

## Transport by sea

Transport document description (IMDG) : UN 1090 acetone, 3, II  
UN-No. (IMDG) : 1090  
Proper Shipping Name (IMDG) : acetone  
Class (IMDG) : 3 - Flammable liquids  
Packing group (IMDG) : II - substances presenting medium danger  
EmS-No. (1) : F-E  
EmS-No. (2) : S-D

## Air transport

Transport document description (IATA) : UN 1090 Acetone, 3, II  
UN-No. (IATA) : 1090  
Proper Shipping Name (IATA) : Acetone  
Class (IATA) : 3 - Flammable Liquids  
Packing group (IATA) : II - Medium Danger



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## SECTION 15: REGULATORY INFORMATION

**SARA Reporting Requirements:**

NA

**SARA Threshold Planning Quantity:**

NA

**TSCA Inventory Status:**

All components of this product are listed in the TSCA Inventory or are exempt.

**CERCLA Reportable Quantity (RQ):**

Acetone - 5000 lbs

**Other Federal Requirements:**

This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).

**Other Canadian Regulations:**

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List. Class B2 Flammable Liquid.



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## SECTION 15: REGULATORY INFORMATION

### State Regulatory Information:

Ingredients in this mixture are found on the following state criteria lists:

California OSHA Hazardous Substances List  
Delaware Air Quality Management List  
Massachusetts Hazardous Substances List  
Minnesota Hazardous Substances List  
New York List of Hazardous Substances  
Pennsylvania Hazardous Substances List  
Washington Permissible Exposure Limits for Air Contaminants  
Wisconsin Hazardous Substances List

67/548/EEC (European Union)

Requirements:

The primary component of this product is listed in Annex I of EU Directive 67/548/EEC

Acetone: Flammable (F). R: 11-36-66-67 - Highly flammable. Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapors may cause drowsiness and dizziness. S: 9-16-23-33 - Keep container in a well-ventilated place. Keep away from sources of ignition. No smoking. Do not breathe gas, fumes, vapor, or spray. Take precautionary measures against static discharges.





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## SECTION 16: OTHER INFORMATION

**Other Information:** Keep out of reach of children. Do not take internally. Store in a cool, dry place. Keep away from heat and open flame.

**Terms & Definitions:** See last page of this SDS.

### **Disclaimer:**

This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. The information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.

### **NFPA Rating**

**NFPA Health Hazard: 1**

**NFPA Fire Hazard: 3**

**NFPA Reactivity Hazard: 0**



### **HMIS II Rating**

**HMIS II Health Hazard: 1**

**HMIS II Fire Hazard: 3**

**HMIS II Reactivity Hazard: 0**

**Hazard Scale:** 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*