SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name: Acetone

Recommended use of the chemical and restriction on use:
Used in the removal of nail polish in salons

Uses advised against:
Not to be ingested or applied anywhere but externally. Keep out of reach of children.

1.3 Details of the supplier of the safety data sheet:

Supplier:
Name CPA Operations, LLC dba Lensco
Address 2917 E. Hedley Street
Philadelphia PA 19137
USA

EMERGENCY TELEPHONE NUMBER:
1-800-535-5053

Company Telephone Number:
215-743-6860
Company Fax Number:
215-743-6053

SECTION 2: Hazards identification

Classification of the substance or mixture:
GHS-US classification
Flam Liq. 2 H225
Eye Irrit 2A H319
STOT SE 3 H336

Label elements
GHS-US labeling
Hazardous pictograms (GHS-US)
Signal word:
Danger

Hazard statements:
H225 Highly flammable liquid and vapor.
H319 Causes serious eye irritation Toxic if swallowed.
H336 May cause droziness or dizziness.

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 electrical, lighting, ventilating equipment
P242 Use only non-sparking tools
P243 Take precautionary measures against static discharge.
P261 Avoid breathing mist, spray, vapors.
P264 Wash hands, forearms, and exposed areas thoroughly after handling.
P271 Use only outdoors or in well-ventilated area.
P280 Wear eye protection, protective clothing, protective gloves.
P301+P330 IF SWALLOWED: Rinse mouth.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 If in eyes, rinse cautiously with water for several minutes.
P312 Call a POISON CENTER or doctor if you feel unwell.
P337+P313 If eye irritation persists. Get medical advice/attention.
P370+P378 In case of fire. Use appropriate media for extinction.
P403+P233 Store in a well ventilated place. Keep container tightly closed.
P235 Keep cool.
P405 Store locked up.
P501 Dispose of contents/container according to local, national, and international regulations.

Other hazards
No other additional information available.

Unknown acute toxicity (GHS-US)
No data available.

SECTION 3. Composition/information on ingredients

Hazardous ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
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</table>
| Acetone  | (CAS No.) 67-64-1  | 100| Flam Liq. 2 H225
|          |                    |   | Eye Irrit 2A H319
|          |                    |   | STOT SE 3 H336
|
SECTION 4: First aid measures

Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

First-aid measures after skin contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries: Eye irritation.

Symptoms/injuries after inhalation: May cause drowsiness or dizziness.

Symptoms/injuries after eye contact: Causes serious eye irritation.

Symptoms/injuries after ingestion: Ingestion may cause nausea, vomiting and diarrhea.

Indication of any immediate medical attention and special treatment needed
If medical advice is needed, have product container or label at hand.

SECTION 5: Firefighting measures

Extinguishing media:

Suitable extinguishing media:

Unsuitable extinguishing media:

Special hazards arising from the substance or mixture

Fire Hazard: highly flammable liquid and vapor.

Explosion Hazard: May form flammable explosive vapour –air mixture.

Reactivity: Reacts with chloroform and bromoform under basic conditions, causing fire and explosion hazard. Ignites on contact with the chloride.

Advice for firefighters Firefighting instructions: Exercise caution when fighting any chemical fire.

Protection during firefighting: Firefighters should wear full protective gear. Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures General measures: Use special care to avoid static electric charges. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid breathing (vapor, mist). Use only outdoors or in a well-ventilated area. Handle in accordance with good industrial hygiene and safety practice.

For non-emergency personnel Protective equipment: Use appropriate personal protection equipment (PPE).

Emergency procedures: Evacuate unnecessary personnel.

For emergency responders Protective equipment: Equip cleanup crew with proper protection. Use appropriate personal protection equipment (PPE).

Emergency procedures: Ventilate area.

Environmental precautions
Prevent entry to sewers and public waters.

Methods and material for containment and cleaning up For containment: Absorb and/or contain spill with inert material, then place in suitable container. Do not take up in combustible material such as: saw dust or cellulosic material.

Methods for cleaning up: Clear up spills immediately and dispose of waste safely.

Reference to other sections
See heading 8, Exposure Controls and Personal Protection.

SECTION 7: Handling and storage

Precautions for safe handling Additional hazards when processed: Handle empty containers with care because residual vapors are flammable.

Precautions for safe handling: Use only non-sparking tools. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid breathing mist, spray, and vapors. Use only outdoors or in a well-ventilated area. Wear recommended personal protective equipment

Hygiene measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

Conditions for safe storage, including any incompatibilities Technical measures: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical, lighting, ventilating equipment

Storage conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.


Incompatible materials: Heat sources.

Storage area: Keep in fireproof place.

Special rules on packaging: Attacks many plastics.

SECTION 8: Exposure controls/personal protection
Acetone (67-64-1)

<table>
<thead>
<tr>
<th></th>
<th>USA ACGIH</th>
<th>USA ACGIH</th>
<th>USA NIOSH</th>
<th>USA NIOSH</th>
<th>USA IDLH</th>
<th>USA OSHA</th>
<th>USA OSHA</th>
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<td>ACGIH TWA (ppm)</td>
<td>ACGIH STEL (ppm)</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>NIOSH REL (TWA) (ppm)</td>
<td>US IDLH (ppm)</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
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<td></td>
<td>500 ppm</td>
<td>750 ppm</td>
<td>590 mg/m³</td>
<td>250 ppm</td>
<td>2500 ppm (10% LEL)</td>
<td>2400 mg/m³</td>
<td>1000 ppm</td>
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</table>

Exposure limits at intended use:

Exposure controls

Personal protective equipment

Ensure all national/local regulations are observed. Gas Detectors Should be used when flammable/gases vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion proof equipment. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

fireproof clothing, insufficient ventilation, wear respiratory protection. Protective goggles. Gloves.

Hand protection

Eye protection

Skin and body protection

Respiratory protection

Thermal hazard protection

Other information

SECTION 9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state

Liquid

Appearance

Clear, volatile liquid.

Color

Colorless

Odor


Odor threshold

No data available

pH

No data available

Relative evaporation rate

No data available
SAFETY DATA SHEET – ACETONE

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<td>Melting point</td>
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<td>Boiling point</td>
<td>56.05 °C (132.89°F) at 1013.25 hPa</td>
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<td>Flash Point</td>
<td>-20 °C (-4°F)</td>
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<td>Decomposition Temperature</td>
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<td>Flammability (solid, gas)</td>
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<td>Vapor pressure</td>
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<tr>
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<tr>
<td>Explosive limits</td>
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</table>

**SECTION 10: Stability and reactivity**

**Reactivity** Reacts with chloroform and bromoform under basic conditions, causing fire and explosion hazard. Ignites on contact with the chloride.

**Chemical Stability** Stable under recommended handling and storage conditions (see section 7). Highly flammable liquid and vapor. May form flammable/explosive vapor-air mixture.

**Possibility Of Hazardous Reactions** The substance can form explosive peroxides on contact with strong oxidants such as acetic acid, nitric acid, hydrogen peroxide. Acetone may form explosive mixtures with chromic anhydride, chromyl chloride hexachloromelamine, hydrogen peroxide, nitric acid and acetic acid, nitric acid and sulfuric acid, nitrosyl chloride, nitrosyl perchlorate, nitryl perchlorate, permonosulfuric acid, potassium tert-butoxide, thiodiglycol and hydrogen peroxide.

**Conditions to Avoid** ignition sources. Heat. Sparks. Open flame. Direct sunlight. Extremely High or low temperatures.


**Hazardous Decomposition Products** Carbon oxides (CO, CO2). May release flammable gases.

**SECTION 11: Toxicological information**

**Information**

Acute toxicity : Not classified

**Acetone (butylacetate=1)**

LD50 oral rat 5800 mg/kg
LD50 dermal rabbit 15688 mg/kg
LC50 inhalation rat (mg/l) 76000 mg/m³

**Skin corrosion/irritation**: Not classified

**Serious eye damage/irritation**: Causes serious eye irritation. **Respiratory or**
skin sensitization: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified

Reproductive toxicity: Not classified
Specific target organ toxicity (single exposure): May cause drowsiness or dizziness.
Aspiration hazard: Not classified
Symptoms/injuries after inhalation: May cause drowsiness or dizziness.
Symptoms/injuries after eye contact: Causes serious eye irritation.
Symptoms/injuries after ingestion: Ingestion may cause nausea, vomiting and diarrhea.

SECTION 12: Ecological information
Toxicity

Acetone (67-64-1)
LC50 fishes 1 4144.846 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1 1679.66 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2 6210 - 8120 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 2 12600 - 12700 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Persistence and degradability Acetone (67-64-1)
Persistence and degradability Readily biodegradable in water. Not established.
Bioaccumulative potential Acetone (67-64-1)
BCF fish 1 0.69
Log Kow -0.24
Bioaccumulative potential Not established
Mobility in soil No additional information available
Other adverse effects Other information Avoid release to the environment.

SECTION 13: Disposal considerations
Toxic Wastes & Other Hazardous Characteristics.
Waste disposal recommendations: To be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information: Handle empty containers with care because residual vapors are flammable.

SECTION 14: Transport information
In accordance with ICAO/IATA/DOT/TDG

UN number : 1090
UN-No.(DOT)
DOT NA no. UN1090
**UN proper shipping name Department of Transportation (DOT) Hazard Classes**

3 - Class 3 - Flammable and combustible liquid

49 CFR 173.120

ACETONE

**Hazard labels (DOT)**

3 - Flammable liquid

**Packing group (DOT)**

II - Medium Danger

**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: (image) Where: tr is the maximum mean bulk temperature during transport

**DOT Packaging Exceptions (49 CFR 173.xxx)**

150

**DOT Packaging Non Bulk (49 CFR 173.xxx)**

202

**DOT Packaging Bulk (49 CFR 173.xxx)**

242

**Emergency Response Guide (ERG) Number**

127

**Other information**

No supplementary information available.

**Transport by sea 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.

**MFAG-No.**

127

**Air transport DOT Quantity Limitations**

Passenger aircraft/rail (49 CFR 173.27) 5 L

**DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)**

60 L

---

**SECTION 15: Regulatory information**

**US Federal regulations**

**Acetone (67-64-1)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**EPA TSCA Regulatory Flag**

T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.

**US State regulations**

**Acetone (67-64-1)**

- U.S. - Massachusetts - Right To Know List U.S.
- New Jersey - Right to Know Hazardous Substance List U.S.
- Pennsylvania - RTK (Right to Know) List

**Other information**

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication
GHS Full Text Phrases:

- Eye Irrit. 2A: Serious eye damage/eye irritation Category 2A
- Flam. Liq. 2: Flammable liquids Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) Category 3
- H225: Highly flammable liquid and vapour
- H319: Causes serious eye irritation
- H336: May cause drowsiness or dizziness

NFPA health hazard: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA fire hazard: 3 - Liquids and solids that can be ignited under almost all ambient conditions.
NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating
Health: 1 Slight Hazard - Irritation or minor reversible injury possible
flammability: 3 Serious Hazard
Physical: 0 Minimal Hazard

SECTION 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>HMIS III</th>
</tr>
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<tbody>
<tr>
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<tr>
<td>Flammability</td>
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<tr>
<td>Physical Hazard</td>
<td>0</td>
</tr>
<tr>
<td>Instability</td>
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</tbody>
</table>

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.

SDS US