

Product Name: Acetone
Revision Date: 6/22/2015

SECTION 1 IDENTIFICATION

Supplier: Divina Products
55 Container Drive
Terryville, Ct 06786
Distributor:

U.S. PERS Emergency Telephone: 1-800-633-8253

Product Name: Acetone

Synonyms: Dimethyl ketone; Dimethyl formaldehyde; Propanone; Pyroacetic ether; Methyl ketone

Chemical Name: Acetone

Chemical Formula: C₃H₆O

CAS Number: 67-64-1

SECTION 2 HAZARDOUS COMPONENTS

Emergency Overview

Danger



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

Flammable liquids (Category 2), H225

Eye irritation (Category 2A), H319

Specific target organ toxicity - single exposure (Category 3), Central nervous system, H336

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/lighting/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 skin thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/eye protection/face protection.

P321: Specific treatment (see First Aid Measures on this label).

P337+P313: If eye irritation persists: Get medical advice/attention.

P370+P378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P235: Keep cool.

P405: Store locked up.

P501: Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS: Repeated exposure may cause skin dryness or cracking.

SECTION 3 **COMPOSITION/INFORMATION ON INGREDIENTS**

| <u>Component</u> | <u>CAS Number</u> | <u>Percent</u> |
|------------------|-------------------|----------------|
| Acetone | 67-64-1 | >99% |

SECTION 4 **FIRST-AID MEASURES**

General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin Contact: Wash off with soap and plenty of water. Consult a physician.

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

SECTION 5 **FIRE FIGHTING MEASURES**

Suitable Extinguishing Media: Alcohol resistant foam, carbon dioxide, regular dry chemical, water, alcohol resistant foam Large fires: Use alcohol-resistant foam or flood with fine water spray.

Products of Combustion: Carbon monoxide, carbon dioxide and toxic and irritating fumes.

Protection of Firefighters: Any self-contained breathing apparatus with a full facepiece. Use protective gear, including self-contained breathing apparatus.

SECTION 6 **ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up: Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations.

SECTION 7 **HANDLING AND STORAGE**

Precautions for safe handling: Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a dry and well-

ventilated place. Containers, which are opened, must be carefully resealed and kept upright to prevent leakage. Storage class (TRGS 510): Flammable liquids

SECTION 8 **EXPOSURE CONTROLS/PERSONAL PROTECTION**

Exposure Guidelines: ACETONE: 1000 ppm (2400 mg/m³) OSHA TWA 750 ppm (1780 mg/m³) OSHA TWA (vacated by 58 FR 35338, June 30, 1993) 1000 ppm (2375 mg/m³) OSHA STEL (vacated by 58 FR 35338, June 30, 1993) 500 ppm ACGIH TWA 750 ppm ACGIH STEL 250 ppm (590 mg/m³) NIOSH recommended TWA 10 hour(s).

Exposure Controls

Appropriate Engineering Controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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 glove's 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.

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 multipurpose 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.

SECTION 9 **PHYSICAL AND CHEMICAL PROPERTIES**

| | |
|--|---|
| Physical State: | Clear colorless liquid. |
| Odor: | Not available. |
| pH: | Not available. |
| Melting Point/Freezing Point: | Melting Point/Range: -94°C (-137°F) – lit. |
| Initial Boiling Point and Boiling Range: | 56°C (133°F) at 1,013 hPa (760 mmHg) – lit. |
| Flash Point: | -16.99°C (1.42°F) – closed cup |
| Evaporation Rate: | 14.4 (butyl acetate = 1) |
| Flammability: | IB |
| Upper/Lower Flammability or Explosive Limits: | Upper explosion limit: 13% (V) Lower explosion limit: 2% (V) |
| Vapor Pressure: | 533.3 hPa (400.0 mmHg) at 39.5°C (103.1°F) 245.3 hPa (184.0 mmHg) at 20.0°C (68.0°F) |
| Vapor Density: | 2 (Air = 1) |
| Specific Gravity: | 0.7899 |
| Water Solubility: | Completely miscible |
| Partition Coefficient (n-octanol/water): | log Pow: -0.24 |

Auto-Ignition Temperature: 465.0°C (869.0°F)
Decomposition Temperature: Not available.
Viscosity: 0.32 mPa.s (0.32 centipoises) @ 20°C; 0.31 mpa.s (0.31 centipoises) @ 25°C

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: Vapors may form explosive mixture with air.
Conditions to avoid: Heat, flames and sparks.

Incompatible materials: Bases, Oxidizing agents, Reducing agents, Acetone reacts violently with phosphorous oxychloride.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity:
-LD50 Oral - Rat - 5,800 mg/kg - Remarks: Behavioral:Altered sleep time (including change in righting reflex). Behavioral:Tremor. Behavioral:Headache. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
-LC50 Inhalation - Rat - 8 h - 50,100 mg/m3 - Remarks: Drowsiness Dizziness Unconsciousness
-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 sensitization: - Guinea pig
Result: Does not cause skin sensitization.

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
Skin - Dermatitis - Based on Human Evidence
Kidney - Irregularities - Based on Human Evidence
Skin - Dermatitis - Based on Human Evidence

SECTION 12 **ECOLOGICAL INFORMATION**

Toxicity: Toxicity to fish
LC50 - Oncorhynchus mykiss (rainbow trout) - 5,540 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates
LC50 - Daphnia magna (Water flea) - 8,800 mg/l - 48 h
Toxicity to algae
Remarks: No data available

Persistence and Degradability
Biodegradability
Result: 91 % - Readily biodegradable (OECD Test Guideline 301B)

Bioaccumulative Potential: Does not bioaccumulate.

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.

SECTION 13 **DISPOSAL CONSIDERATIONS**

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.

SECTION 14 **TRANSPORTATION INFORMATION**



DOT: UN Number: 1090
UN Proper Shipping Name: Acetone
Transport Hazard Class: 3
Packing Group: II

IMDG: UN Number: 1090
UN Proper Shipping Name: Acetone
Transport Hazard Class: 3
Packing Group: II
EMS-No.: F-E, S-D

IATA: UN Number: 1090
UN Proper Shipping Name: Acetone

Transport Hazard Class: 3
Packing Group: II

SECTION 15 **REGULATORY INFORMATION**

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: Fire Hazard, Acute Health Hazard, Chronic Health Hazard

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|---|---------|---------------|
| Massachusetts Right To Know Components | CAS-No. | Revision Date |
| Acetone | 67-64-1 | 2007-03-01 |

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| Pennsylvania Right To Know Components | CAS-No. | Revision Date |
| Acetone | 67-64-1 | 2007-03-01 |

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| New Jersey Right To Know Components | CAS-No. | Revision Date |
| Acetone | 67-64-1 | 2007-03-01 |

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16 **OTHER INFORMATION**

HMIS Rating

Health Hazard: 2
Chronic health Hazard: *
Flammability: 3
Physical Hazard: 0

NFPA Rating

Health Hazard: 2
Fire Hazard: 3
Reactivity Hazard: 0

No representations or warranties, either expressed or implied, of merchant ability, fitness for a particular purpose or any other nature are made hereunder with respect to information or the product to which information refers.

Date: 6/22/2015
Divina Professional Salon Products