


Section 1: Identification

| | | |
|-----------------------------------|--|---|
| Common Name/Trade Name | ACETONE NF | |
| Supplier Information | Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693 | IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours) |
| Product Synonym(s) | Dimethyl Ketone, 2-Propanone, Dimethylformaldehyde, Pyroacetic acid Pyroacetic ether | |
| Relevant Use(s) of Product | Laboratory Chemical | |

Section 2: Hazards Identification

| | | |
|---|--|--|
| Classification of Substance or Mixture | Eye irritation (Category 2), Flammable liquids (Category 2), Specific target organ toxicity - single exposure (Category 3) | |
| Signal Word | Danger | |
| Hazard Statement(s) | H225 H319 H336 | Highly flammable liquid and vapour Causes serious eye irritation May cause drowsiness or dizziness |
| Pictogram(s) |  | |
| Precautionary Statement(s) | P210 P243 P305+P351+P338 P403+P233 P405 | Keep away from heat/sparks/open flames/hot surfaces – No smoking. Take precautionary measures against static discharge. IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing. Store in a well ventilated place. Keep container tightly closed. Store locked up. |
| Hazards Not Otherwise Classified | No data available | |
| Ingredient(s) with Unknown Toxicity | No data Available | |

Section 3: Composition/Information on Ingredients

| | |
|--|-------------------|
| Chemical Name | Acetone |
| Common Name | Acetone |
| CAS Number | 67-64-1 |
| Impurities and/or Stabilizing Additives | No data available |

Section 4: First Aid Measures

| | |
|--|--|
| General Advice | Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area. |
| If Inhaled | Remove person to fresh air. If signs/symptoms continue, get medical attention. Give oxygen or artificial respiration as needed. |
| In Case of Skin Contact | Wash skin with soap and copious amounts of water. Seek medical attention. |
| In Case of Eye Contact | Thoroughly flush the eyes with large amounts of clean low-pressure water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation persists, seek medical attention. |
| If Swallowed | DO NOT induce vomiting. If vomiting does occur, have victim lean forward to prevent aspiration. Rinse mouth with water. Seek medical attention. Never give anything by mouth to an unconscious individual. |
| Most Important Symptoms and Effects | No data available |

Section 5: Fire Fighting Measures

| | |
|---|---|
| Suitable Extinguishing Media | SMALL FIRE: Use dry chemicals, CO2, water spray or alcohol-resistant foam. LARGE FIRE: Use water spray, water fog or alcohol-resistant foam. Cool all affected containers with flooding quantities of water. |
| Special Hazards Arising From the Substance/Mixture | Carbon oxides expected to be the primary hazardous combustion product. May produce a floating fire hazard. Static ignition hazard can result from handling and use. Vapors may settle in low and confined spaces. Vapors may travel to source of ignition and flash back. |
| Special PPE and/or Precautions for Firefighters | Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Keep unopened containers cool by spraying with water. |

Section 6: Accidental Release Measures

| | |
|--|--|
| Personal Precautions, Protective Equipment and Emergency Procedures | Do not inhale 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. |
| Methods and Materials Used for Containment | Stop leak. Contain spill if possible and safe to do so. Prevent product from entering drains. |
| Cleanup Procedures | Highly flammable liquid. Eliminate all sources of ignition. All equipment used when handling this product must be grounded. A vapor suppressing foam may be used to reduce vapours. Do not touch or walk through spilled material. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place container for disposal according to local/national regulations. Use clean non-sparking tools to collect absorbed material. Stop leak/contain spill if possible and safe to do so. Prevent product from entering drains. |

Section 7: Handling and Storage

| | |
|--------------------------------------|---|
| Precautions for Safe Handling | Do not get on skin or in eyes. Do not inhale vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge. Open and handle container with care. Metal containers involved in the transfer of this material should be grounded and bonded. |
| Conditions for Safe Storage | Keep container tightly closed in a cool, dry and well ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Consult local fire codes for additional storage information. |

Section 8: Exposure Controls/Personal Protection

| | |
|---|--|
| Components with Workplace Control Parameters | Component: Acetone Source: US (ACGIH) Type: TWA Value: 500 ppm . Component: Acetone Source: US (ACGIH) Type: STEL Value: 750ppm |
| Appropriate Engineering Controls | General room or local exhaust ventilation is usually required to meet exposure limit (s). Electrical equipment should be grounded and conform to applicable electrical code. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. |
| PPE - Eye/Face Protection | Use chemical safety goggles and/or a full face shield where splashing is possible. Use equipment approved by appropriate government standards, such as NIOSH (US) or EN166 (EU) Maintain eye wash fountain and quick-drench facilities in work area. |
| PPE - 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. |
| PPE - Body Protection | Wear impervious protective clothing, including boots, gloves, lab coat, apron and coveralls, as appropriate, to prevent skin contact. 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. |
| PPE - Respiratory Protection | Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (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). |

Section 9: Physical and Chemical Properties

| | |
|---|--|
| Appearance | Form: Liquid. Colorless liquid/invisible vapor. |
| Upper/Lower Flammability or Explosive Limits | Upper/Lower flammability or explosive limits: 2.5 %(V) / 12.8 %(V) |
| Odor | Sweet. Alcohol-like |
| Vapor Pressure | 245.3 hPa (184.0 mmHg) at 20.0 °C (68.0 °F) |
| Odor Threshold | No data available |
| Vapor Density | No data available |
| pH | No data available |
| Relative Density | 0.791 g/cm3 at 25 °C (77 °F) |
| Melting Point/Freezing Point | No data available |
| Solubility | completely soluble |
| Initial Boiling Point and Boiling Range | 56 °C (133 °F) |
| Flash Point | -20°C (-4°F) Closed Cup; -18°C (0°F) Open Cup |
| Evaporation Rate | Specific data not available - expected to be rapid. |
| Flammability (Solid, Gas) | (solid, gas) Flammable |
| Partition Coefficient | No data available |
| Auto-Ignition Temperature | 465 °C (869°F) |
| Decomposition Temperature | Not pertinent |
| Viscosity | No data available |

Section 10: Stability and Reactivity

| | |
|---|---|
| Reactivity | No data available |
| 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. Extreme temperatures and direct sunlight. |
| Incompatible Materials | Alkali metals, Ammonia, Oxidizing agents, Peroxides, Strong Inorganic Acids. |
| Hazardous Decomposition Products | Hazardous decomposition products formed under fire conditions. - Carbon oxides. |

Section 11: Toxicological Information

| | |
|---|---|
| Acute Toxicity - LD50 Oral | LD50 (Oral) Rat 5,800 mg/kg |
| Acute Toxicity - Inhalation | LC50 (Inhalation) Rat 50,100 gm/m3, 8 hours |
| Acute Toxicity - Dermal | LD50 (Skin) Guinea Pig 7,426 mg/kg |
| Acute Toxicity - Eye | Causes eye irritation |
| Skin Corrosion/Irritation | Slightly irritating to the skin. Repeated contact with neat product may dry skin causing cracking and/or fissuring. |
| Serious Eye Damage/Irritation | Causes eye irritation. |
| Respiratory or Skin Sensitization | Repeated contact with neat product may dry the skin causing cracking and/or fissuring. |
| Germ Cell Mutagenicity | No data available |
| Carcinogenicity IARC | No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC. |
| Carcinogenicity ACGIH | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. |
| Carcinogenicity 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. |
| Carcinogenicity 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 | No data available |
| Specific Target Organ Toxicity - Repeated Exposure | No data available |
| Aspiration Hazard | No data available |

Section 12: Ecological Information

| | |
|--------------------------------------|---|
| Toxicity | Acetone: 67-64-1 Ecotoxicity: (aquatic and terrestrial, where available): Acute Fish Toxicity (ACETONE) LC50/96 hours Rainbow Trout 5,540 mg/L. |
| Persistence and Degradability | No data available |
| Bio-accumulative Potential | No data available |
| Mobility in Soil | No data available |
| Other Adverse Effects | No data available |

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 the material is highly flammable. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. |
| Waste Treatment Methods Packaging | Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. |
| Special Precautions Landfill or Incinerations | No data available |
| Other Information | No data available |

Section 14: Transport Information

| | |
|-----------------------------------|----------------------|
| UN Number | 1090 |
| UN Proper Shipping Name | Acetone |
| Transport Hazard Class(es) | 3 |
| Packaging Group | II |
| Environmental Hazards | Marine pollutant: No |

Section 15: Regulatory Information

OSHA Hazards: Flammable liquid, Target Organ Effect, Irritant. All Ingredients are on the following inventories or are exempted from listing (Country/Notification): Australia/AICS. Canada/DSL. China/IECS. European Union/EINECS. Japan/ENCS/ISHL. Korea/ECL. New Zealand/NZIoC. Philippines/PICCS. United States of America/TSCA. SARA 302 Components: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 Components: SARA 313: 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: Acute Health Hazard. Chronic Health Hazard. Fire Hazard. CERCLA: Acetone CAS-No 67-64-1, RQ: 5,000 lbs. Massachusetts Right To Know Components: Acetone CAS-No 67-64-1 Revision Date 2007-03-01. Pennsylvania Right To Know Components: Acetone CAS No. 67-64-1 Revision Date 2007-03-01. New Jersey Right To Know Components: Acetone CAS No. 67-64-1 Revision Date 2007-03-01. California Prop 65 Components: This product does not contain any chemicals known to State to California to cause cancer, birth defects, or any other reproductive harm.

Section 16: Other Information

| | |
|-------------------------------|------------------|
| Additional Information | N/A |
| Prepared By | Lisa Russell |
| Revision Date | 01/15/2019 15:17 |

Disclaimer

Letco Medical, LLC believes that the above information is correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. If the product is used as a component in another product, this information may not be applicable. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED ABOVE. Letco Medical shall not be held liable for any loss or damage resulting from handling, storage, use or from contact with the above product.