Section 1: Identification

Common Name/Trade Name	ACETONE NF	
Supplier Information	Letco Medical 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	Manufacture or Compounding of Substances	

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 â€“ 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	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.
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.
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
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	Alkai 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 Sensitazation	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 Targer 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	N/A

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

Prepared By	Scarlotte Smith
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