

Section 1: Identification

Common Name/Trade Name	Acetylcysteine	
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)	N-Acetyl-L-Cysteine	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Not a hazardous substance or mixture.
Signal Word	None
Hazard Statement(s)	N/A
Pictogram(s)	N/A
Precautionary Statement(s)	N/A
Hazards Not Otherwise Classified	None
Ingredient(s) with Unknown Toxicity	No data available

Section 3: Composition/Information on Ingredients

Chemical Name	N-Acetyl-L-cysteine
Common Name	Acetylcysteine
CAS Number	616-91-1
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	No data available
If Inhaled	Move away from exposure and into fresh air. If symptoms persist seek medical attention.
In Case of Skin Contact	Wash thoroughly with soap and water, launder clothes before use again.
In Case of Eye Contact	Wash with copious amounts of water. Including under eyelids
If Swallowed	Make the victim drink plenty of water. Contact a physician.
Most Important Symptoms and Effects	No data available

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	CO2, foam, chemical powders, and sand
Special Hazards Arising From the Substance/Mixture	None
Special PPE and/or Precautions for Firefighters	Wear self contained breathing apparatus.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Wear appropriate protective equipment
Methods and Materials Used for Containment	None
Cleanup Procedures	Sweep and flush with water, normal solid waste disposal in accordance with local, state and federal regulations.

Section 7: Handling and Storage

Precautions for Safe Handling	Wear appropriate personal protective equipment. Avoid inhalation and direct contact with eyes and skin.
Conditions for Safe Storage	Material should be stored in a tightly sealed container in a cool (30°F to 80°F), dry location.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	No data available
Appropriate Engineering Controls	Local exhaust
PPE - Eye/Face Protection	OSHA-approved safety glasses
PPE - Skin Protection	OSHA-approved rubber gloves
PPE - Body Protection	Wear long sleeve shirt or coveralls, long pants with cuffs extending over work boots
PPE - Respiratory Protection	NIOSH/MSHA approved respirator if exposure may, or does exceed occupational exposure limits

Section 9: Physical and Chemical Properties

Appearance	White crystalline powder
Upper/Lower Flammability or Explosive Limits	No data available
Odor	No faint hydrogen sulfide odor
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	No data available
Relative Density	N/A
Melting Point/Freezing Point	Melting point/range: 110°C (230°F)
Solubility	Soluble in water
Initial Boiling Point and Boiling Range	N/A
Flash Point	N/A
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Partition Coefficient	No data available
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

Section 10: Stability and Reactivity

Reactivity	No data available
Chemical Stability	Stable under normal conditions.
Possibility of Hazardous Reactions	No data available
Conditions to Avoid	None
Incompatible Materials	Oxidizing agents, tetracycline, heavy metals, heavy metal salts, rubber and oxygen.
Hazardous Decomposition Products	Products: Carbon and nitrogen oxide

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	No data available. May be harmful if swallowed.
Acute Toxicity - Inhalation	No data available. May be harmful if inhaled.
Acute Toxicity - Dermal	No data available. May cause skin irritation.
Acute Toxicity - Eye	No data available. May cause eye irritation.
Skin Corrosion/Irritation	No data available. May cause skin irritation.
Serious Eye Damage/Irritation	No data available. May cause eye irritation.
Respiratory or Skin Sensitization	No data available
Germ Cell Mutagenicity	No data available
Carcinogenicity IARC	No data available
Carcinogenicity ACGIH	No data available
Carcinogenicity NTP	No data available
Carcinogenicity OSHA	No data available
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	This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment
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	Appropriate method of disposal of substance or preparation. Contact a licensed professional waste disposal service and dispose material according local, state and federal and/ or any international environmental regulatory governing bodies
Waste Treatment Methods Packaging	No data available
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	Not dangerous goods.
UN Proper Shipping Name	N/A
Transport Hazard Class(es)	N/A
Packaging Group	N/A
Environmental Hazards	N/A

Section 15: Regulatory Information

U.S. Federal regulations: TSCA 8(a) CDR Exempt/Partial exemption: Not determined. United States inventory (TSCA 8b): Not determined. Clean Air Act Section 112 (b) hazardous Air Pollutants (HAPs): Not listed. Clean Air Act Section 602 Class I Substances: Not listed. Clean Air Act Section 602 Class II Substances: Not listed. DEA List I Chemicals (Precursor Chemicals): Not listed. DEA List II Chemicals (Essential Chemicals): Not listed. SARA 302/304 Composition/information on ingredients: N-Acetyl-L-Cysteine SARA 304 RQ: Not applicable SARA 311/312 Classification: Not applicable Composition/information on ingredients: No product were found State Regulations: Massachusetts Not listed New York: Not listed New Jersey: Not listed Pennsylvania: Not listed California Prop.65: The material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. International regulations: International lists: Australia inventory (AICS): Not determined. China inventory (IECSC): Not determined. Japan inventory: Not determined. Korea inventory: Not determined. Malaysia Inventory (EHS Register): Not determined. New Zealand Inventory of Chemicals (NZIoC): Not determined Philippines inventory (PICCS): Not determined. Taiwan inventory (CSNN): Not determined. Chemical Weapons Convention: List Schedule I Chemicals: Chemical Weapons Convention: Not listed. List Schedule II Chemicals: Not listed. Chemical Weapons Convention List Schedule III Chemicals: Not listed.

Section 16: Other Information

Additional Information	N/A
Prepared By	Lisa Russell
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