AERCHEM INC.

400 W. 7th Street, Suite 112 Bloomington, IN 47404

Telephone: 812.334.9996 Fax: 812.334.1960 Emergency: 800.424.9300

Effective Date: 9/10/96

Product Name: Lauryl-DL-Carnitine Chloride

Chemical Formula: CH3CHOCHOOH

Molecular Weight: N/A

CAS No.: 7023-03-2

Hazardous Ingredients: Carnitine Hydrochloride

Physical Data:

Boiling point: N/A Specific Gravity (Water=1): N/A N/A

Solubility in water: Freely soluble in water

Odor: N/A

Physical Form: White crystalline powder

Vapor pressure: N/A
Density: N/A
Melting Point: 161°C
Evaporation Rate: N/A

Fire and Explosion Information:

Flash point: N/A

(Auto) Ignition temperature: N/A

Explosion Limits: Lower-N/A

Upper-N/A

Extinguishing media to be recommended: Water, spray, dry chemical, carbon

dioxide or foam as appropriate for surrounding fire and materials.

Special fire and explosions precautions: safe area. Fire fighters use self contained

As with all fires, evsacuate personnel to breathing equipment and clothing.

Unusual fire and explosion hazards: Emits toxic fumes under fire conditions.

Stability: Stable

Conditions to avoid: Material is stable from a safety point of view, Materials to Avoid: Bases, oxidizing agents, reducing agents.

Hazardous Decomposition Products: Toxic fumes of carbon monoxide, carbon dioxide, nitrogen

oxides, hydrogen chloride gas.

Hazardous Polymerization: Will not occur.

Handling and Storage Information:

Store in poly bags or tight container as supplied. Keep in cool dry area.

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A. Personal Protection:

Respiratory Protection : Approved dust mask/respirator. Ventilation to be Used: Local exhaust: recommended

Mechanical (general): recommended

Skin Contact: Appropriate laboratory apparel. Rubber, vinyl gloves.

Eye Contact: Safety goggles

Health Hazard:

Threshold Limit Values: N/A

Signs and Symptoms of Overexposure: Material is irritating to mucous membranes and upper respiratory

tract; causes eye and skin irritation.

Medical Conditions Generally Aggravated by Exposure: None established.

Chemicals Listed as Carcinogen or Potential Carcinogen: N/A

B. First Aid:

Inhalation: Remove to ventilated area; if not breathing give artificial respiration; if breathing is difficult,

give oxegyn.

Eye Contact: Flush eyes with copious amounts of water for at least 15 minutes.

Skin Contact: Wash skin with soap and water; wash contaminated clothing before reuse. **Ingestion:** Wash out mouth with water, provided person is conscious; call a physician.

Disposal/ Spill/Leak Procedures

Steps to be Taken if Material is Spilled or Released: Sweep up and/or flush area clear with water. Avoid dust. Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

Waste Disposal Methods: Dissolve or mix the material with a combustable solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Dispose of waste in accordance with all applicable federal, state and local laws.