

**AERCHEM INC.**  
**320 North Walnut**  
**Bloomington, IN 47404**

Tel: 812.334.9996

Fax: 812.334.1960

Emergency: 800.424.9300

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**SECTION 1: IDENTIFICATION**

**Product Name:** Choline Bitartrate  
**Molecular Formula:** C<sub>5</sub>H<sub>14</sub>NO•C<sub>4</sub>H<sub>5</sub>O<sub>6</sub>  
**CAS No.:** 87-67-2

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**SECTION 2: HAZARDOUS INGREDIENTS:**

N/A

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**SECTION 3: PHYSICAL DATA**

Odor:	odorless
Appearance:	white, free-flowing
Melting point.:	150°
Boiling point:	N/A
Decomposition temperature:	N/A
pH (depends on quality):	N/A
Solubility:	soluble in water
Specific gravity (water = 1)	N/A
Vapor density:	N/A
Vapor pressure:	N/A

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**SECTION 4: FIRE AND EXPLOSION DATA**

Flash point:	none
Flammable limit:	N/A
Flammability:	combustible
Extinguishing media:	water, CO <sub>2</sub> , dry chemical, foam
Fire fighting procedures:	Full protective equipment including NIOSH/MSHA approved positive pressure self-contained breathing apparatus should be worn. All protective equipment should be cleaned thoroughly after use.
Unusual fire and explosions hazards:	Avoid dusting as all organic dusts can be explosive under certain conditions.

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**SECTION 5: REACTIVITY DATA**

Stable   X   Unstable \_\_\_\_\_  
**Decomposition byproducts:** CO, CO<sub>2</sub>  
**Incompatibilities/Condition to Avoid:** N/A  
**Hazardous Polymerization:** will not occur.

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**SECTION 6: HEALTH HAZARD DATA**

<b>Toxicity:</b>	N/A
<b>Route of Entry:</b>	inhalation
<b>Permissible Exposure limits:</b>	N/A
<b>TWA:</b>	total 15 mg/M <sup>3</sup> ; respirable 5 mg/M <sup>3</sup>
<b>TLV:</b>	total 10 mg/M <sup>3</sup> ; respirable 5 mg/M <sup>3</sup>

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**SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES**

**Spillage:** Sweep or shovel material into waste containers. An appropriate industrial vacuum cleaner equipped with high efficiency particulate filters for dusts may also be used.

**Disposal:** Dispose of any residues or wastes according to prescribed statutes, regulations and guidelines, e.g., secured chemical landfill disposal, approved chemical wastes incineration or approved (low level) discharges to municipal or on-site wastewater treatment facilities.

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**SECTION 8: FIRST AID PROCEDURES**

<b>Eye Contact:</b>	Flush eyes gently with copious quantities of water for a minimum of fifteen minutes. Use fingers to assure that eyelids are separated and that eye is being irrigated. Contact supervisor. Human experience indicates that Choline Bitartrate is not an eye irritant.
<b>Skin Contact:</b>	Wash thoroughly with soap and water. Human experience indicates that Choline Bitartrate is not a skin irritant.
<b>Inhalation:</b>	Remove from source of exposure. Contact supervision.

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**SECTION 9: HANDLING AND STORAGE INFORMATION:**

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No special recommendations.

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**SECTION 10: SPECIAL PROTECTION INFORMATION:**

**Ventilation:** Local exhaust ventilation

**Skin Protection:** Gloves may be worn.

**Eye Protection:** Safety glasses/goggles should be worn in dusty environments.

**Respiratory Protection:** In high dust-level areas, a NIOSH/MSHA dust mask should be worn.

**Other:** Washing facilities should be available.

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**SECTION 11: TRANSPORT INFORMATION**

**DOT Classification:** NOT DOT regulated.

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The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.