

**Safety Data Sheet**

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

**Section 1: Identification****Product Name** Choline Bitartrate USP**Commercial Name** Not available.**Product Use** Not available.**Restrictions On Use** Not available.**Product Code** 30-3712**Company** PCCA  
9901 South Wilcrest  
Houston, TX 77099  
Phone: 1-800-331-2498  
Fax: 1-800-874-5760In case of emergency contact:  
**CHEMTREC (24hr) 1-800-424-9300****Section 2: Hazard(s) Identification****OSHA Haz Com:** Skin irritation (Category 2) Eye irritation (Category 2A) Specific target organ toxicity - single exposure  
**CFR 1910.1200** (Category 3)**Signal Word** WARNING**Hazard Statement(s)** Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.**Pictogram(s) or Symbol(s)****Precautionary Statement(s):**

<b>Prevention</b>	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash skin thoroughly after handling P271 Use only outdoors or in a well-ventilated area P280 Wear protective gloves/eye protection/face protection.
<b>Response</b>	P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P332 + P313 If skin irritation occurs: Get medical advice/ attention. P337 + P313 If eye irritation persists: Get medical advice/attention. P362 Take off contaminated clothing and wash before reuse.
<b>Storage</b>	P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.
<b>Disposal</b>	P501 Dispose of contents/container to an approved waste disposal plant.

**Section 3: Composition/Information on Ingredients**

<b>Substance/Mixture</b>	Mixture
<b>Components</b>	Choline Bitartrate and Silica
<b>% By Weight</b>	99% and 1%
<b>CAS#</b>	87-67-2 and 132215-9
<b>Molecular Weight</b>	253.25 g/mole
<b>Chemical Formula</b>	C9H19NO7
<b>Synonym(s)</b>	2-Hydroxy-N,N,N-trimethylethanaminium bitartrate

**Mixtures**

<b>Name</b>	<b>CAS#</b>	<b>% by Weight</b>	<b>TLV/PEL</b>	<b>LC50/LD50</b>
Choline Bitartrate	87-67-2	99	Not available	Not available
Silica	132215-92-0	1	Not available	Not available

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**Section 4: First-Aid Measures**

<b>Inhalation</b>	If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.
<b>Skin Contact</b>	Wash off with soap and plenty of water. Consult a physician.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
<b>Symptoms/Effects</b>	
<b>Acute</b>	Not available.
<b>Delayed</b>	Not available.
<b>Immediate Medical Attention</b>	
Not available.	

**Section 5: Fire-Fighting Measures****Suitable Extinguishing Media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable Extinguishing Media**

Not available.

**Products of Combustion**

Not available.

**Firefighters Special Equipment and Precautions**

Wear self contained breathing apparatus for fire fighting if necessary.

**Section 6: Accidental Release Measures**

Personal precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Environmental precautions: Do not let product enter drains. Methods and materials for containment and cleaning up: Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal

**Section 7: Handling and Storage**

Precautions for safe handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place. Hygroscopic

**Section 8: Exposure Controls/Personal Protection**

<b>Exposure Limits</b>	None established.
<b>Engineering Controls</b>	Not available.
<b>Personal Protection</b>	Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Hand protection: For prolonged or repeated contact use protective gloves. Eye protection: Safety glasses with side-shields conforming to EN166 Skin and body protection: Choose body protection according to the amount and concentration of the dangerous substance at the work place. Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	Not available.		
<b>Odor</b>	Not available.		
<b>Odor Threshold</b>	Not available.		
<b>Melting Point</b>	Not available.	<b>pH</b>	Not available.
<b>Freezing Point</b>	Not available.	<b>Vapor Pressure</b>	Not available.
<b>Boiling Point/Range</b>	Not available.	<b>Vapor Density</b>	Not available.
<b>Decomposition temperature</b>	Not available.	<b>Viscosity</b>	Not available.
<b>Partition Coefficient: n-octanol/water</b>	Not available.	<b>Evaporation Rate</b>	Not available.
<b>Flash Point</b>	Not available.	<b>Autoignition temperature</b>	Not available.
<b>Flammability</b>	Not applicable	<b>Flammability or Explosive Limits:</b>	
		<b>Lower</b>	Not available.
		<b>Upper</b>	Not available.
<b>Solubility(ies)</b>	Not available.		
<b>Other</b>	Not available.		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	Not available.
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Hazardous Polymerization</b>	Not available.
<b>Conditions to Avoid</b>	Avoid moisture
<b>Incompatible Materials</b>	Strong oxidizing agentsStrong oxidizing agents
<b>Hazardous Decomposition Products</b>	Carbon oxides, nitrogen oxides (NOx)

**Section 11: Toxicological Information**

**RTECS** Not available.

**Acute Toxicity**

Not available

**Skin Corrosion/Irritation**

Not available.

**Serious Eye Damage/Irritation**

Not available.

**Respiratory or Skin Sensitization**

Not available.

**Germ Cell Mutagenicity**

Not available.

**Carcinogenicity**

Not available.

**Reproductive Toxicity**

Not available.

**Routes of Entry**

Not available

**Symptoms Related to Exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.



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30-3712

### Potential Health Effects

Inhalation - May cause respiratory irritation. May cause respiratory tract irritation. Ingestion - May be harmful if swallowed. Skin - May be harmful if absorbed through skin. May cause skin irritation. Eyes - May cause eye irritation.

**Target Organ(s)** Not available.

### Section 12: Ecological Information

#### Ecotoxicity

Not available.

#### Persistence and Degradability

Not available.

#### Bioaccumulative Potential

Not available.

#### Mobility in Soil

Not available.

#### Other Adverse Effects

Not available.

### Section 13: Disposal Considerations

#### Waste Disposal

Observe all federal, state, and local environmental regulations.

#### Disposal of Container

Dispose of as unused product.

#### Other Considerations

Not available.

### Section 14: Transport Information

#### DOT Classification

DOT (US) Not dangerous goods.

### Section 15: Regulatory Information

#### Regulations

OSHA Hazards No known OSHA hazards DSL Status All components of this product are on the Canadian DSL list. 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 No SARA hazards Massachusetts Right To Know Components No components are subject to the Massachusetts Right to Know Act. Pennsylvania Right To Know Components Cholinhydrogentartrat CAS-No. Revision Date 87-67-2 New Jersey Right To Know Components Cholinhydrogentartrat CAS-No. Revision Date 87-67-2 California Prop. 65 Components This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

#### Other

Not available.

### Section 16: Other Information

This information is does not claim to given without any warranty or representation. It is believed to be correct but does not claim to be all inclusive and shall be used only as a guide. American International Chemica, Inc., shall not be held liable for any damage resulting from handling or contact with the above product. It is offered solely for your consideration, investigation and verification.