

**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):**

Prevention	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.
Response	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.
Storage	P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.
Disposal	P501 Dispose of contents/container to an approved waste disposal plant.

Section 3: Composition/Information on Ingredients

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

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
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

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

Exposure Limits	None established.
Engineering Controls	Not available.
Personal Protection	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

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

Section 10: Stability and Reactivity

Reactivity	Not available.
Chemical Stability	Stable under recommended storage conditions.
Hazardous Polymerization	Not available.
Conditions to Avoid	Avoid moisture
Incompatible Materials	Strong oxidizing agentsStrong oxidizing agents
Hazardous Decomposition Products	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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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.