

# Safety Data Sheet

REVISION: 02/28/2022

# **SECTION 1: Product and Company Identification**

## Identification of the substance or mixture

Product Name:	DL-Choline bitartrate	
Catalog #:	66246, 66246-1	

## **Company Identification**

Cepham Life Sciences Inc. 11830 W Market Place, Suite K Fulton, MD 20759 USA Toll Free: 1-800-257-1565 Phone: 410-636-4954

24-hour Emergency Response for Hazardous Materials [or Dangerous Goods] Incident, Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Toll Free: 1-800-424-9300/ +1 703-527-3887 CCN 1010970

For Research Use Only. Not for use in diagnostic procedures.

# **SECTION 2: Hazards identification**

# Classification of the substance or mixture

Not a hazardous substance or mixture.

## GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

Hazards not otherwise classified (HNOC) or not covered by GHS - none

## SECTION 3: Composition / Information on Ingredients

#### Substances

Synonyms: Formula: Molecular weight: CAS-No.: EC-No.: 2-(Hydroxyethyl)trimethylammonium bitartrate C9H19NO7 253.25 g/mol 87-67-2 201-763-4

No components need to be disclosed according to the applicable regulations.

# SECTION 4: First Aid Measures

## Description of first aid measures

## If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

#### In case of skin contact

Wash off with soap and plenty of water.

#### In case of eye contact

Flush eyes with water as a precaution.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

#### Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

# SECTION 5: Firefighting Measures

## Extinguishing media

#### Suitable extinguishing media

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

#### Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NOx)

#### Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### **Further information**

No data available

# **SECTION 6: Accidental Release Measures**

#### Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection see section 8.

## Environmental precautions

No special environmental precautions required.

#### Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

## Reference to other sections

For disposal see section 13.

# **SECTION 7: Handling & Storage**

#### Precautions for safe handling

Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

#### Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. hygroscopic

Storage class (TRGS 510): Non-Combustible Solids

#### Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

# **SECTION 8: Exposure Controls / Personal Protection**

#### **Control parameters**

Components with workplace control parameters Contains no substances with occupational exposure limit values

## Exposure controls

Appropriate engineering controls General industrial hygiene practice.

## Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

## Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### **Body Protection**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### **Respiratory protection**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## Control of environmental exposure

No special environmental precautions required.

# **SECTION 9: Physical and Chemical Properties**

## Information on basic physical and chemical properties

a) Appearance	Form: solid
b) Odor	No data available
c) Odor Threshold	No data available
d) pH	No data available
e) Melting point/freezing point	Melting point/range: 151 - 153 °C (304 - 307 °F)
f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
<ul><li>j) Upper/lower flammability or</li></ul>	No data available
explosive limits	
k) Vapour pressure	No data available
I) Vapour density	No data available
m) Relative density	No data available
n) Water solubility	No data available
o) Partition coefficient: n-octanol/water	No data available
<ul> <li>p) Auto-ignition temperature</li> </ul>	No data available
<ul> <li>q) Decomposition temperature</li> </ul>	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
<ul> <li>t) Oxidizing properties</li> </ul>	No data available

## Other safety information

No data available

## SECTION 10: Stability & Reactivity

#### Reactivity

no data available

## **Chemical stability**

Stable under recommended storage conditions.

# Possibility of hazardous reactions

no data available

# Conditions to avoid Avoid moisture.

Incompatible materials

# Strong oxidizing agentsStrong oxidizing agents

## Hazardous decomposition products

Other decomposition products - no data available In the event of fire: see section 5

# **SECTION 11: Toxicological Information**

## Information on toxicological effects

Acute toxicity No data available Inhalation: No data available Dermal: No data available No data available

Skin corrosion/irritation No data available

Serious eye damage/eye irritation No data available

#### Respiratory or skin sensitization No data available

## Germ cell mutagenicity

No data available

#### Carcinogenicity

- IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

#### 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

## Additional Information

RTECS: Not available

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

# **SECTION 12: Ecological Information**

Toxicity No data available

Persistence and degradability No data available

**Bioaccumulative potential** No data available

Mobility in soil No data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

# Other adverse effects

No data available

# **SECTION 13: Disposal Considerations**

## Waste treatment methods

**Product** Offer surplus and non-recyclable solutions to a licensed disposal company.

## Contaminated packaging

Dispose of as unused product.

# **SECTION 14: Transport Information**

DOT (US) Not dangerous goods

IMDG Not dangerous goods

IATA Not dangerous goods

# **SECTION 15: Regulatory Information**

## SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## SARA 313 Components

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.	87-67-2	Revision Date				
New Jersey Right To Know Components							
Cholinhydrogentartrat	CAS-No.	87-67-2	Revision Date				

## 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.

# **SECTION 16: Other Information**

## HMIS Rating Health hazard: 0 Chronic Health Hazard: 0 Flammability: 0 Physical Hazard 0 NFPA Rating Health hazard: 0 Fire Hazard: 0 Reactivity Hazard: 0

#### **Disclaimer:**

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It does not represent any guarantee of the properties of the product. Cepham Life Sciences Incorporated and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.