# Safety Data Sheet

REVISION: 02/28/2022

## SECTION 1: Product and Company Identification

**Identification of the substance or mixture**

| | |
|---|---|
| **Catalog #:** | 10245, 10245-1 |
| **Product Name:** | Deoxycholate |
| **CAS-No.:** | 302-95-4 |

**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**

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Acute toxicity, Oral (Category 4), H302
For the full text of the H-Statements mentioned in this Section, see Section 16.

**GHS Label Elements, including Precautionary Statements**

| | |
|---|---|
| Pictogram |  |
| Signal word | Warning |
| Hazard statement(s) | |
| H302 | Harmful if swallowed. |
| Precautionary statement(s) | |
| P264 | Wash skin thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product. |
| P301 + P312 + P330 | IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. |
| P501 | Dispose of contents/ container to an approved waste disposal plant. |

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

## SECTION 3: Composition / Information on Ingredients

**Substances**

| | |
|---|---|
| Synonyms: | Deoxycholate |
| | 3α,12α-Dihydroxy-5β-cholanic acid sodium salt |
| | 7-Deoxycholic acid sodium salt |
| Formula: | C24H39NaO4 |

Molecular weight: 414.55 g/mol
CAS-No.: 302-95-4
EC-No.: 206-132-7

**Hazardous components**

| Component | Classification | Concentration |
|---|---|---|
| Sodium 3-α,12-α-dihydroxy-5-β-cholan-24-oate | Acute Tox. 4; H302 | <= 100% |

For the full text of the H-Statements mentioned in this Section, see Section 16.

## SECTION 4: First Aid Measures

**Description of first aid measures**

**General advice**
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**If inhaled**
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact**
Wash off with soap and plenty of water. Consult a physician.

**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. Consult a physician.

**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

**Indication of any immediate medical attention and special treatment needed**
No data available.

## 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**
No data available

**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**
Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.
For personal protection see section 8.

**Environmental precautions**
Do not let product enter drains.

**Methods and materials for containment and cleaning up**
Pick up and arrange disposal without creating dust. 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**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. 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.

**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.
Hazardous components without workplace control parameters

**Exposure controls**

**Appropriate engineering controls**
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Personal Protective Equipment**

**Eye/face protection**
Safety glasses with side-shields conforming to EN166 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.

Full contact
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 480 min
Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Splash contact
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 480 min
Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)
data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method:

EN374
If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

**Body Protection**
Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure**
Do not let product enter drains.

## SECTION 9: Physical and Chemical Properties

**Information on basic physical and chemical properties**

| | |
|---|---|
| a) Appearance | Form: solid<br>No data available |
| b) Odor | No data available |
| c) Odor Threshold | No data available |
| d) pH | No data available |
| e) Melting point/freezing point | No data available |
| 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 |
| j) Upper/lower flammability or explosive limits | No data available |
| k) Vapor pressure | No data available |
| l) Vapor 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 |
| p) Auto-ignition temperature | No data available |
| q) Decomposition temperature | No data available |
| r) Viscosity | No data available |
| s) Explosive properties | No data available |
| t) Oxidizing properties | 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**

Exposure to moisture

**Incompatible materials**

Oxidizing agents

**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sodium oxides
Other decomposition products - No data available
In the event of fire: see section 5

## SECTION 11: Toxicological Information

**Information on toxicological effects**

**Acute toxicity**

LD50 Oral - Rat 1,370 mg/kg
Remarks: Behavioral: Altered sleep time (including change in righting reflex). Behavioral: Ataxia. Lungs, Thorax, or Respiration: Other changes.

LD50 Oral - Mouse - 1,050 mg/kg
Remarks: Behavioral: Somnolence (general depressed activity). Gastrointestinal: Ulceration or bleeding from stomach. Gastrointestinal: Ulceration or bleeding from small intestine.

Inhalation: No data available

Dermal: No data available

LD50 Intraperitoneal - Rat - 123 mg/kg
Remarks: Behavioral: Altered sleep time (including change in righting reflex). Behavioral: Ataxia. Lungs, Thorax, or

Respiration: Other changes.

LD50 Intravenous - Rat - 150 mg/kg

LD50 Intraperitoneal - Mouse - 36 mg/kg
Remarks: Behavioral: Excitement. Lungs, Thorax, or Respiration: Other changes. Diarrhea

LD50 Subcutaneous - Mouse - 815 mg/kg
Remarks: Behavioral: Altered sleep time (including change in righting reflex). Behavioral: Ataxia. Lungs, Thorax, or Respiration: Other changes.

LD50 Intravenous - Mouse - 107 mg/kg

LD50 Subcutaneous - Rat - 2,430 mg/kg

Remarks: Behavioral: Altered sleep time (including change in righting reflex). Behavioral: Ataxia. Lungs, Thorax, or Respiration: Other changes.

**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: BQ7875000

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

## SECTION 12: Ecological Information

**Toxicity**

| | |
|---|---|
| Toxicity to fish | LC50 - Oryzias latipes - 115 mg/l - 48 h |

**Persistence and degradability**
No data available

Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.

**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

**Further information**
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**
Acute Health Hazard

**Massachusetts Right To Know Components**
No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components**

| | | |
|---|---|---|
| Sodium 3-α,12-α-dihydroxy-5-β-cholan-24-oate | CAS-No. 302-95-4 | Revision Date |

**New Jersey Right To Know Components**

| | | |
|---|---|---|
| Sodium 3-α,12-α-dihydroxy-5-β-cholan-24-oate | CAS-No. 302-95-4 | 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

**Full text of H-Statements referred to under sections 2 and 3.**

| | |
|---|---|
| Acute Tox. | Acute toxicity |
| H302 | Harmful if swallowed. |

**HMIS Rating**

| | |
|---|---|
| Health hazard: | 1 |
| Chronic Health Hazard: | |
| Flammability: | 0 |
| Physical Hazard | 0 |

**NFPA Rating**

| | |
|---|---|
| Health hazard: | 1 |
| 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.