

## Safety Data Sheet (SDS)

This product is a chemical substance and is intended to be used by persons having chemical knowledge and skill, at their own discretion and risk.

Revision Date: Aug. 23, 2017

### Section1. **PRODUCT AND COMPANY IDENTIFICATION**

#### 1.1 **Product identifier**

Product Name: Sodium cholate (purified)  
Product Code: C321  
CAS Number: 361-09-1  
EC Number: 206-643-5

#### 1.2 **Details of the supplier of the safety data sheet**

Company: Dojindo Laboratories  
Address: Tabaru 2025-5 Mashiki-machi, Kamimashiki-gun, Kumamoto 861-2202, Japan  
Telephone: +81-96-286-1515  
Fax: +81-96-286-1525  
Emergency phone number : +81-96-286-1515

#### 1.3 **Product use**

For research use only.

### Section2. **HAZARDS IDENTIFICATION**

#### 2.1 **Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008.[EU-GHS/CLP]  
Skin corrosion/irritation, Category 2  
Serious eye damage/eye irritation, Category 2  
Specific target organ toxicity – single exposure, Category 3

#### 2.2 **Label elements**

**Labeling according Regulation (EC) No 1272/2008 [EU-GHS/CLP]**

Pictogram:



Signal word: Warning

Hazard statement(s):

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

Precautionary statement(s):

P261 Avoid breathing dust/fume/gas/mist/ vapours/spray.  
P264 Wash /hands/face/forearms/clothing thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/ face protection.  
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.                                       |
| P403 + P233 | Store in a well-ventilated place. Keep container tightly closed.                            |
| P405        | Store locked up.                                                                            |
| P501        | Dispose of contents/container in accordance with local/regional/ international regulations. |

## 2.3 Other hazards

None known.

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### Section3. **COMPOSITION/INFORMATION ON INGREDIENTS**

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|            |                   |                                                                    |
|------------|-------------------|--------------------------------------------------------------------|
| <b>3.1</b> | Product Name:     | Sodium cholate (purified)                                          |
|            | Synonyms:         | Cholic acid, sodium salt, monohydrate                              |
|            | Concentration:    | ≤100 %                                                             |
|            | Formula:          | C <sub>24</sub> H <sub>39</sub> NaO <sub>5</sub> ·H <sub>2</sub> O |
|            | Molecular Weight: | 448.57                                                             |

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### Section4. **FIRST AID MEASURES**

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|            |                                                                                   |                                                                                                                                                 |
|------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>4.1</b> | <b>Description of first aid measures</b>                                          |                                                                                                                                                 |
|            | If inhaled:                                                                       | If breathed in, move into fresh air. Seek medical advice if discomfort occurs. If not breathing, give artificial respiration. Call a physician. |
|            | If swallowed:                                                                     | Do not induce vomiting. Wash out mouth with water. Never give anything by mouth to an unconscious person. Seek medical attention.               |
|            | In case of skin contact:                                                          | Wash off with plenty of water. Remove contaminated clothing and launder before reuse.                                                           |
|            | In case of eye contact:                                                           | Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation occurs.                               |
| <b>4.2</b> | <b>Most important symptoms and effects, both acute and delayed</b>                | No information available.                                                                                                                       |
| <b>4.3</b> | <b>Indication of any immediate medical attention and special treatment needed</b> | No information available.                                                                                                                       |

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### Section5. **FIRE-FIGHTING MEASURES**

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|            |                                                              |                                                                                    |
|------------|--------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>5.1</b> | <b>Extinguishing media</b>                                   | Use extinguishing media appropriate for the surrounding fire.                      |
| <b>5.2</b> | <b>Special hazards arising from the substance or mixture</b> | May emit toxic fumes under fire conditions.                                        |
| <b>5.3</b> | <b>Special protective equipment for firefighters</b>         | Wear self-contained breathing apparatus and full protective clothing if necessary. |

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### Section6. **ACCIDENTAL RELEASE MEASURES**

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|            |                                                                            |                                                                                                                                                                                                             |
|------------|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>6.1</b> | <b>Personal precautions, protective equipment and emergency procedures</b> | Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Avoid formation of dust. Avoid breathing dust, vapors, mist or gas. Avoid contact with skin and clothing. |
| <b>6.2</b> | <b>Environmental precautions</b>                                           | Prevent further leakage. Prevent contamination of drains with product.                                                                                                                                      |
| <b>6.3</b> | <b>Methods and materials for containment and cleaning up</b>               | Pick up and collect product in suitable container for disposal.                                                                                                                                             |

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### Section7. **HANDLING AND STORAGE**

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|            |                                                                     |                                                                                                                                                                                           |
|------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>7.1</b> | <b>Precautions for safe handling</b>                                | Avoid contact with skin and eyes. Avoid formation of dust. Avoid breathing dust, vapors, mist or gas. Wear appropriate protective personal equipment. Use only with adequate ventilation. |
| <b>7.2</b> | <b>Conditions for safe storage, including any incompatibilities</b> | Keep tightly closed. Protect from moisture.<br>Store in a cool, dark and dry place.                                                                                                       |

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### Section8. **EXPOSURE CONTROLS / PERSONAL PROTECTION**

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|            |                           |                                                                 |
|------------|---------------------------|-----------------------------------------------------------------|
| <b>8.1</b> | <b>Control parameters</b> | Contains no substances with occupational exposure limit values. |
| <b>8.2</b> | <b>Exposure controls</b>  |                                                                 |

**Engineering measures**

Ensure adequate ventilation, especially in confined areas.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. Wash hands, forearms and face after handling.

**Personal protective equipment**

|                                  |                                                                                                                                                                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye/face protection:</b>      | Wear safety glasses with side-shields conforming to European Standard EN166.                                                                                                                                                          |
| <b>Hand protection:</b>          | Wear protective gloves conforming to EU Directive 89/686/EEC and European Standard EN374. Gloves must be inspected prior to use. Avoid skin contact with product when remove gloves. Dispose of contaminated gloves safely after use. |
| <b>Skin and body protection:</b> | Wear laboratory coat or impervious clothing. Choose appropriate body protection according to the amount and concentration of the substance at the work place.                                                                         |
| <b>Respiratory protection:</b>   | Wear suitable respiratory equipment in case of inadequate ventilation.                                                                                                                                                                |

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**Section9. PHYSICAL AND CHEMICAL PROPERTIES**

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**Information on basic physical and chemical properties**

|                                                      |                                      |
|------------------------------------------------------|--------------------------------------|
| a) Appearance:                                       | White powder                         |
| b) Odor:                                             | Odorless                             |
| 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) Solubility(ies):                                  | Solubility in water (300 mg / 10 ml) |
| o) Partition coefficient: <i>n</i> -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                    |

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**Section10. STABILITY AND REACTIVITY**

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**Stability and reactivity**

|                                     |                                                                                 |
|-------------------------------------|---------------------------------------------------------------------------------|
| Reactivity:                         | Stable                                                                          |
| Chemical stability:                 | Stable at a cool, dark and dry place.                                           |
| Possibility of hazardous reactions: | No data available                                                               |
| Conditions to avoid:                | Heat, sunlight, high temperature                                                |
| Incompatible materials:             | Strong oxidizing agents, strong acids and bases                                 |
| Hazardous decomposition products:   | When decomposed, it may emit toxic fumes of carbon monoxide and carbon dioxide. |

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**Section11. TOXICOLOGICAL INFORMATION**

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**11.1 Information on toxicological effects**

|                                       |                                                                                                                                                           |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| a) Acute toxicity:                    | No data available                                                                                                                                         |
| b) Skin corrosion / irritation:       | No data available                                                                                                                                         |
| c) Serious eye damage/eye irritation: | No data available                                                                                                                                         |
| d) Carcinogenicity:                   | No component of this product present at levels greater than or equal to 0.1% is identified as a possible, probable or confirmed human carcinogen by IARC. |
| e) Reproductive toxicity:             | No data available                                                                                                                                         |
| f) STOT - SE:                         | No data available                                                                                                                                         |
| g) STOT - RE:                         | No data available                                                                                                                                         |
| h) Aspiration hazard:                 | No data available                                                                                                                                         |

**11.2 Potential health effects**

|             |                                                                  |
|-------------|------------------------------------------------------------------|
| Ingestion:  | May be harmful if swallowed.                                     |
| Inhalation: | May be harmful if inhaled. Causes respiratory tract irritation.  |
| Skin:       | May be harmful if absorbed through skin. Causes skin irritation. |

