

## Sodium Stearate

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /  
March 26, 2012 / Rules and Regulation

Revision Date: 15-Dec-2022  
Supersedes: 01-Jul-2021

### 1 PRODUCT & COMPANY IDENTIFICATION

|                      |                                            |                     |                                                                                                                 |
|----------------------|--------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Product Name:</b> | Sodium Stearate                            | <b>Distributor:</b> | XI'AN AOGU BIOTECH CO.,LTD                                                                                      |
| <b>Synonyms:</b>     | d-sorbitol, d-glucitol, hexahydric alcohol | <b>Address:</b>     | Room 606,Block B3,Jinye Times,No.32,East<br>Section of Jinye Road, Yanta District,Xi'an<br>Shaanxi 710065 China |
| <b>INCI Name:</b>    | Sodium Stearate                            | <b>Phone / Fax:</b> | 0086-29-89121514 0086 18091843361                                                                               |
| <b>CAS Number:</b>   | 822-16-2                                   | <b>Web:</b>         | XI'AN AOGU BIOTECH CO.,LTD                                                                                      |
| <b>Formula:</b>      | No data available                          |                     |                                                                                                                 |
| <b>Product Form:</b> | Powder                                     |                     |                                                                                                                 |
| <b>Product Use:</b>  | Cosmetic use                               |                     |                                                                                                                 |

**Emergency Telephone Number:** 0086 18091843361

### 2 HAZARDS IDENTIFICATION

|                                      |                                                                                                                                                |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>GHS Classification:</b>           | Combustible dust                                                                                                                               |
| <b>Signal Word:</b>                  | WARNING                                                                                                                                        |
| <b>GHS Hazard Pictograms:</b>        | None                                                                                                                                           |
| <b>GHS Hazard Statements:</b>        | May form combustible dust concentrations in the air                                                                                            |
| <b>GHS Precautionary Statements:</b> | None                                                                                                                                           |
| <b>Potential Health Hazards:</b>     | Eyes: May be irritant.<br>Inhalation: Not normally an inhalation hazard.<br>Skin: May be irritant.<br>Ingestion: May be irritant and laxative. |

|                            |                        |     |         |
|----------------------------|------------------------|-----|---------|
| <b>NFPA Ratings (704):</b> | <b>Health</b>          | 0   | Minimal |
|                            | <b>Flammability</b>    | 0   | minimal |
|                            | <b>Reactivity</b>      | 0   | Minimal |
|                            | <b>Specific Hazard</b> | N/A |         |

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Component</u> | <u>CAS No.</u> | <u>Weight %</u> | <u>Molecular Weight</u> |
|------------------|----------------|-----------------|-------------------------|
| Sodium Stearate  | 822-16-2       | Not available   | Not available           |

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

### 4 FIRST AID MEASURES

|                    |                                                                                                                                                                                             |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eyes:</b>       | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists seek medical attention. |
| <b>Inhalation:</b> | Move to fresh air. Call a physician if symptoms develop or persist.                                                                                                                         |
| <b>Skin:</b>       | Wash off immediately with soap and plenty of water. Seek immediate medical attention/advice.                                                                                                |
| <b>Ingestion:</b>  | Rinse mouth. Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Get medical attention.                                                                          |

### 5 FIRE-FIGHTING MEASURES

|                                                       |                                                                                                                                                                                                   |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable (and unsuitable) extinguishing media:</b> | May be combustible at high temperature. Use appropriate media (dry chemical, foam, carbon dioxide, water spray) for adjacent fire. Do not use direct water jet as it may scatter and spread fire. |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                         |                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Special protective equipment &amp; precautions for firefighters:</b> | Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |
| <b>Flash Points:</b>                                                    | >176°C                                                                                                                                                                                                                                                                           |
| <b>Specific hazards arising from the chemical:</b>                      | Carbon monoxide, carbon dioxide, hydrocarbons. Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. See also Stability and Reactivity section.                                              |

## 6 ACCIDENTAL RELEASE MEASURES

|                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions, protective equipment &amp; emergency procedures:</b> | Do not try to clean up the leak without proper protective equipment. Ensure adequate ventilation, especially in confined areas. See section 8 for recommendations on the use of personal protective equipment.                                                                                                                                                                                                    |
| <b>Environmental precautions:</b>                                             | Prevent entry into waterways, sewers, basements, or confined areas. Do not flush into surface water or sanitary sewer system. See section 12 for additional ecological information.                                                                                                                                                                                                                               |
| <b>Methods and material for containment and cleaning up:</b>                  | Contain and collect spillage with a non-combustible absorbent material, (e.g., sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13). Prevent dust cloud. Clean contaminated surfaces thoroughly.<br>Take up mechanically, placing in appropriate containers for disposal. Use only non-sparking tools. Avoid creating dust. |

## 7 HANDLING & STORAGE

|                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions for safe handling:</b>                            | Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapor/spray. Avoid excessive dust in work area and ensure adequate ventilation. Keep away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors, and static electricity). Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. |
| <b>Conditions for safe storage, incl. any incompatibilities:</b> | Keep the container tightly closed and in a cool, well-ventilated place. Incompatible materials: strong oxidizing agents                                                                                                                                                                                                                                                                                                                                                                      |

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

| <u>Component</u> | <u>Exposure Limits</u> | <u>Basis</u>                                                         | <u>Entity</u> |
|------------------|------------------------|----------------------------------------------------------------------|---------------|
| Sodium Stearate  | 10 mg/m <sup>3</sup>   | TWA (inhalable particulate matter)                                   | ACGIH TLV     |
|                  | 3 mg/m <sup>3</sup>    | TWA (respirable particulate matter)                                  | ACGIH TLV     |
|                  | 10 mg/m <sup>3</sup>   | TWA (inhalable particulate matter except stearates of toxic metals)  | ACGIH TLV     |
|                  | 3 mg/m <sup>3</sup>    | TWA (respirable particulate matter except stearates of toxic metals) | ACGIH TLV     |

TWA: Time Weighted Average over 8 hours of work.  
 TLV: Threshold Limit Value over 8 hours of work.  
 REL: Recommended Exposure Limit  
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.  
 IDLH: Immediately Dangerous to Life or Health  
 WEEL: Workplace Environmental Exposure Levels  
 CEIL: Ceiling

### Personal Protection:

|                    |                                                                                                                                                                                                       |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eyes:</b>       | Wear safety glasses with side shields (or goggles).                                                                                                                                                   |
| <b>Inhalation:</b> | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. A dust mask should be worn to protect worker from dusts when dusting occurs. |
| <b>Body:</b>       | Wear protective gloves and protective clothing.                                                                                                                                                       |

**Other:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

|                                                |                               |                                     |                                           |
|------------------------------------------------|-------------------------------|-------------------------------------|-------------------------------------------|
| <b>Appearance:</b>                             | Fine white crystalline powder | <b>Vapor Pressure:</b>              | No data available                         |
| <b>Odor:</b>                                   | Fatty odor                    | <b>Vapor Density:</b>               | No data available                         |
| <b>Odor Threshold:</b>                         | No data available             | <b>Evaporation Rate:</b>            | No data available                         |
| <b>Color:</b>                                  | No data available             | <b>Flammability:</b>                | No data available                         |
| <b>Molecular Weight:</b>                       | No data available             | <b>Upper/lower Explosive Limit:</b> | No data available                         |
| <b>pH Direct @ 25 °C:</b>                      | No data available             | <b>Flash Point:</b>                 | >176 °C                                   |
| <b>Boiling Point:</b>                          | No data available             | <b>Specific Gravity:</b>            | No data available                         |
| <b>Melting Point:</b>                          | Unknown                       | <b>Solubility:</b>                  | Water: N/A<br>Other solvents:<br>complete |
| <b>Relative Density:</b>                       | 1.02                          | <b>Auto-Ignition Temperature:</b>   | No data available                         |
| <b>Partition Coefficient: n-octanol/water:</b> | No data available             | <b>Decomposition Temperature:</b>   | No data available                         |
| <b>Viscosity:</b>                              | No data available             | <b>Explosive Properties:</b>        | No data available                         |
| <b>Oxidizing Properties:</b>                   | No data available             | <b>Freezing Point:</b>              | Unknown                                   |

## 10 STABILITY AND REACTIVITY

|                                          |                                                                            |
|------------------------------------------|----------------------------------------------------------------------------|
| <b>Reactivity:</b>                       | No data available                                                          |
| <b>Chemical Stability:</b>               | Stable under recommended storage conditions.                               |
| <b>Hazardous Polymerization:</b>         | None under normal processing.                                              |
| <b>Conditions to Avoid:</b>              | Avoid creating dust. Take precautionary measures against static discharge. |
| <b>Incompatible Materials:</b>           | Strong oxidizing agents.                                                   |
| <b>Hazardous Decomposition Products:</b> | Carbon monoxide, carbon dioxide, hydrocarbons                              |

## 11 TOXICOLOGICAL INFORMATION

|                                        |                                                                                      |
|----------------------------------------|--------------------------------------------------------------------------------------|
| <b>Acute Toxicity:</b>                 | No data available                                                                    |
| <b>Skin:</b>                           | No data available                                                                    |
| <b>Eyes:</b>                           | Dust contact with eyes can lead to mechanical irritation.                            |
| <b>Respiratory:</b>                    | Inhalation of dust in high concentration may cause irritation of respiratory system. |
| <b>Ingestion:</b>                      | No data available                                                                    |
| <b>Carcinogenicity:</b>                | No data available                                                                    |
| <b>Teratogenicity:</b>                 | No data available                                                                    |
| <b>Germ Cell Mutagenicity:</b>         | No data available                                                                    |
| <b>Embryotoxicity:</b>                 | No data available                                                                    |
| <b>Specific Target Organ Toxicity:</b> | No data available                                                                    |
| <b>Reproductive Toxicity:</b>          | No data available                                                                    |
| <b>Respiratory/Skin Sensitization:</b> | No data available                                                                    |

## 12 ECOLOGICAL INFORMATION

|                                       |                   |
|---------------------------------------|-------------------|
| <b>Ecotoxicity</b>                    |                   |
| <b>Aquatic Vertebrate:</b>            | No data available |
| <b>Aquatic Invertebrate:</b>          | No data available |
| <b>Terrestrial:</b>                   | No data available |
| <b>Persistence and Degradability:</b> | No data available |
| <b>Bioaccumulative Potential:</b>     | No data available |
| <b>Mobility in Soil:</b>              | No data available |
| <b>PBT and vPvB Assessment:</b>       | No data available |
| <b>Other Adverse Effects:</b>         | No data available |

## 13 DISPOSAL CONSIDERATIONS

**Waste Residues:** Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

**Product Containers:** Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

## 14 TRANSPORT INFORMATION

|                                                          |                   |
|----------------------------------------------------------|-------------------|
| <b>DOT (Dept. of Transportation, USA):</b>               | Not regulated     |
| <b>TDG (Transportation of Dangerous Goods, Canada):</b>  | No data available |
| <b>IMDG (International Maritime Dangerous Goods):</b>    | Not regulated     |
| <b>IATA (International Air Transport Association):</b>   | No data available |
| <b>ICAO (International Civil Aviation Organization):</b> | Not regulated     |

## 15 REGULATORY INFORMATION

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>TSCA Inventory Status:</b>          | Complies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>DSCL (EEC):</b>                     | Complies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>WHMIS (Canada):</b>                 | No data available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>EU EINECS/ELINCS/NLP:</b>           | Complies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>China IECSC:</b>                    | Complies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>China IECIC (06.30.2014):</b>       | Complies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Australia AICS:</b>                 | Complies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Korea KECL:</b>                     | Complies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Philippines PICCS:</b>              | Complies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>SARA 313:</b>                       | Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.<br>Acute health hazard: No<br>Chronic health hazard: No                                                                                                                                                                                                                                 |
| <b>SARA 311/312 Hazard Categories:</b> | Fire hazard: Yes<br>Sudden release of pressure hazard: No<br>Reactive hazard: No                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Clean Water Act:</b>                | This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).<br>This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to the releases of this material. |
| <b>CERCLA:</b>                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>California Prop. 65:</b>            | This product does not contain any Prop. 65 chemicals.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>EPA Pesticide Registration:</b>     | Number not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## 16 OTHER INFORMATION

|                       |                                                                                                                                    |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Revision Date:</b> | 15/12/2022                                                                                                                         |
| <b>Compliance:</b>    | This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 |

**Disclaimer:**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.