

# Material Safety Data Sheet (MSDS)

**Product Name:** Sodium Stearate Technical Grade

**MSDS Generate Date:** 20-05-2017

**Revision Date:** 30-12-2024

## Supplier:

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## 1. Identification of the Substance/Preparation and Company

- **Product Name:** Sodium Stearate
- **Chemical Name:** Sodium Octadecanoate
- **CAS No.:** 822-16-2
- **Molecular Formula:**  $C_{18}H_{35}NaO_2$
- **Recommended Use:** Soap manufacturing, detergents, lubricants, rubber processing, cosmetics, and industrial applications

## 2. Hazard Identification

- **Classification:** Not classified as hazardous under GHS
- **Potential Hazards:**
  - Dust may cause mild irritation to eyes and respiratory tract
  - Prolonged skin contact may cause dryness

- **Label Elements:**
    - No hazard pictogram required
    - Avoid excessive dust formation
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### 3. Composition / Information on Ingredients

- **Substance:** Sodium Stearate
  - **Purity:**  $\geq 90\%$  (Technical Grade)
  - **Impurities:** Minor fatty acid salts
  - **CAS No.:** 822-16-2
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### 4. First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist
  - **Skin Contact:** Wash with soap and water
  - **Eye Contact:** Rinse cautiously with water for several minutes
  - **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical advice if discomfort occurs
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### 5. Fire Fighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical, foam, CO<sub>2</sub>
  - **Specific Hazards:** Combustion may produce carbon oxides
  - **Protective Equipment:** Self-contained breathing apparatus
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### 6. Accidental Release Measures

- Avoid dust generation
  - Sweep up and collect in suitable containers
  - Dispose of according to local regulations
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### 7. Handling and Storage

- **Handling:** Handle with adequate ventilation. Avoid dust inhalation
  - **Storage:** Store in a cool, dry place away from moisture and incompatible materials
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## 8. Exposure Controls / Personal Protection

- **Engineering Controls:** Local exhaust ventilation recommended
  - **Personal Protective Equipment:**
    - Gloves: Protective gloves
    - Eyes: Safety goggles
    - Respiratory: Dust mask if dust levels exceed limits
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## 9. Physical and Chemical Properties

- **Appearance:** White to off-white powder or flakes
  - **Odor:** Mild fatty odor
  - **Solubility:** Slightly soluble in water
  - **pH:** Alkaline (aqueous dispersion)
  - **Melting Point:** ~245–255°C
  - **Bulk Density:** Approx. 0.3–0.6 g/cm<sup>3</sup>
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## 10. Stability and Reactivity

- **Stability:** Stable under normal conditions
  - **Incompatible Materials:** Strong acids, strong oxidizers
  - **Hazardous Decomposition:** Carbon monoxide, carbon dioxide
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## 11. Toxicological Information

- **Acute Toxicity:** Low toxicity
- **Skin Irritation:** Mild irritation possible
- **Eye Irritation:** May cause temporary irritation

- **Chronic Effects:** No known chronic health effects

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## 12. Ecological Information

- **Ecotoxicity:** Not expected to be harmful to aquatic life
- **Biodegradability:** Readily biodegradable
- **Bioaccumulation:** Not expected

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## 13. Disposal Considerations

- Dispose of product and packaging in accordance with local, regional, and national regulations
- Avoid release into the environment

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## 14. Transport Information (DETAILED)

**UN Number:** Not applicable

**UN Proper Shipping Name:** Not regulated

**Transport Hazard Class:** Not classified as dangerous goods

### Transport by Road (ADR/RID):

- **Classification:** Non-hazardous
- **Labeling:** No hazard label required
- **Special Precautions:** Protect from moisture and physical damage during transport

### Transport by Sea (IMDG):

- **IMDG Class:** Not regulated
- **Marine Pollutant:** No
- **Packaging Instructions:** Secure packaging to prevent spillage

### Transport by Air (IATA):

- **IATA Status:** Not restricted
- **Packing Instructions:** Standard commercial packaging

**General Transport Notes:**

Sodium Stearate Technical Grade is considered **non-dangerous for transport** under ADR, IMDG, and IATA regulations. Ensure bags or containers are properly sealed, labeled, and protected from moisture and excessive heat during transportation.

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**15. Regulatory Information**

- Product is not classified as hazardous under GHS
  - Complies with applicable chemical safety regulations
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**16. Other Information**

- **Intended Use:** Industrial and technical applications only
- **Disclaimer:**

The information provided is believed to be accurate and is offered in good faith. The company makes no warranty, expressed or implied, regarding the accuracy or completeness of this information.

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- **Revision Date:** 30-12-2024
- **Website:** [www.rawpharmabiz.com](http://www.rawpharmabiz.com)
- MSDS are based on the manufacturer's provided information.