



SOVEREIGN CHEMICAL COMPANY

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Material Safety Data Sheet

Sodium Stearate

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Manufacturer: Mathe Norac Company 405 South Motor Avenue Azusa, CA 91702	Emergency Contact : Chemtrec: 1-800-424-9300 (continental USA) (1)703-527-3887 (outside continental USA) Mathe (800) 786-6722 or (818) 334-2908
Trade Name(s): Sodium Stearate	MSDS Number: 1281
Chemical Name: Sodium Stearate	Synonyms:
Prepared By: Sovereign Chemical Company	Date of Issue: June 4, 2009 Revision Number: 7 (supersedes: December 2, 2003) Change(s): Three year update

2. INGREDIENTS

<u>Component</u>	<u>CAS #</u>	<u>Percent</u>	<u>ACGIH/OSHA (TWA)</u>
Sodium stearate	822-16-2	100	10 mg/m ³ (as a nuisance dust particulate)

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

White powder. Use appropriate personal protective equipment. During fire situations, irritating and toxic gases such as carbon monoxide and carbon dioxide may be generated. Keep from entering storm or sanitary sewers, ground water, or soil. Keep away from flame, heat (200°F maximum) and away from strong oxidizing agents. Avoid accumulation of dusts.

NFPA Hazard Ratings: Fire - 1; Health - 0; Reactivity - 0

Scale: 4 – Extreme, 3 – High, 2 – Moderate, 1 – Slight, 0 - Insignificant

HMIS Hazard Ratings: Health – 0, Flammability – 1, Ractivity – 0, Personal Protection – E (safety glasses, gloves, dust mask)

HMIS Hazard Index: 1 – slight, 2 – minimal, 3 – serious, 4 - severe

This is recommended personal protection equipment; final personal protection equipment should be determined by the plant safety department based on the actual conditions under which the product is used.

Potential Health Effects:

Eye: May cause inflammation.

Skin Contact: May cause irritation and redness of the skin.

Ingestion: Unknown.

Inhalation: Nuisance dust.

Chronic & Carcinogenicity: Not recognized as a carcinogen by the IRAC, NTP or OSHA.

4. FIRST AID MEASURES

Skin: Flush with large amounts of water for 15 minutes.

Eye: Immediately flush with large quantities of water for at least 15 minutes and call a physician.

Ingestion: Contact a physician immediately.

Inhalation: Remove subject to fresh air.

5. FIRE FIGHTING MEASURES

Flash Point: 177°C (350°F) **COC LEL:** ND **UEL:** ND **Auto Ignition Temperature:** >700°F non-flammable
Use dry chemical, water spray, foam or CO₂ to extinguish fire. A self contained breathing apparatus (SCBA) operating in the positive pressure mode and full fire fighting protective clothing should be worn for combating fires. During a fire the product can form carbon monoxide and carbon dioxide. Avoid high dust concentrations and all possible ignition sources. Dust explosions can occur.

6. ACCIDENTAL RELEASE MEASURES

Take up any spilled product by mechanical means and place into sealed containers for proper disposal. Individuals involved in the cleanup should wear appropriate personal protective equipment. See Section 8. Unnecessary personnel should be kept clear of the area. Do not allow dust to accumulate. Do not allow product to enter sewage or ground water. Dispose of waste materials including empty product bags or drums in accordance with Local, State and Federal regulations.

7. HANDLING AND STORAGE

Storage Conditions: Do not store near strong oxidizers or at high temperatures. Store in closed containers in a dry environment

Handling: Good housekeeping and engineering practices should be employed to prevent the generation and accumulation of dusts. Avoid high dust concentrations and all possible ignition sources. Individuals handling this product should wear personal protective equipment specified in Section 8. Plant environment should include controls and equipment specified in Section 8.

8. EXPOSURE CONTROL - PERSONAL PROTECTION

Engineering Controls: Local exhaust ventilation should be provided. Design details for local exhaust ventilation systems may be found in the latest edition of "Industrial Ventilation: A Manual of Recommended Practices" published by the ACGIH Committee on Industrial Ventilation, P.O. Box 16153, Lansing, MI 48910. The need for local exhaust ventilation should be evaluated by a professional industrial hygienist. Local exhaust ventilation systems should be designed by a professional engineer.

Respiratory Protection: MSHA/NIOSH approved dust mask recommended, but required if concentration exceeds 10 mg/M³.

Eye Protection: Safety goggles recommended.

Protection Gloves: Protective gloves recommended.

Other Protection Items: None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State: Free flowing white powder	Melt Point: 205°C (400°F)
Vapor Density (Air = 1): NA	Octanol/Water Partition Coefficient: NA
Vapor Pressure: NA	Evaporation Rate BuOAC = 1: NA
Odor: Mild fatty odor	Specific Gravity: 1.07
% Volatile by Volume: 1% moisture	Boiling Point: NA
% Solubility (H₂O) : Insoluble	pH: 10.7 (5% solution)

10. STABILITY AND REACTIVITY

Stability /Polymerization: Stable.

Incompatibility (conditions to avoid): Keep away from flame, heat (200°F maximum) and strong oxidizing agents.

Hazardous Decomposition Products: As with any organic material, combustion will produce carbon dioxide and probably carbon monoxide.

Special Sensitivity: None that are known.

11. TOXICOLOGICAL INFORMATION

LDLo: 10 mg/kg dog, intravenous

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Product should be disposed of in an EPA approved incinerator or landfill in accordance with all local, state, and/or federal regulations.

14. TRANSPORTATION INFORMATION

DOT: Not regulated

Reportable Quantity: Not applicable

Freight Classification: Metallic soaps of fatty acids

Special Transportation Notes: None

15. REGULATORY INFORMATION

SARA Title III, Section 313:

This product does not contain any chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 382.

Pennsylvania Worker and Community Right to Know Act:

This product does not contain any ingredient(s) listed in Appendix A Hazardous Substance List

This product contains the following ingredients at 3% concentration or greater:

Sodium stearate 822-16-2

CERCLA/RCRA: No reportable or threshold planning quantities.

WHMIS, 1910.119 Process Safety Management, Proposition 65 (CA), Clean Air: Not listed

TSCA: Listed on the TSCA inventory.

Canadian DSL: All ingredients are listed.

16. OTHER INFORMATION

NE = Not Established

NA = Not Applicable

ND = Not Determined

Information contained in this MSDS sheet has been gathered from the following documents:

Chemical REG-A-DEX, J.J.Keller, March 2000

WHMIS Compliance Manual, Carswell, April 2000

Transportation of Dangerous Good, J.J.Keller, February 2000

Code of Federal Regulations, Transportation, 49 CFR Parts 100 to 185, October 1998

NIOSH Pocket Guide to Chemical Hazards, June 1997

ACGIH Threshold Limit Values, 1999

HMIS Implementation Manual, 2nd Edition

Toxicity and Safe Handling of Rubber Chemicals, BRMA, 3rd Edition

ChemCheck Handbook, Specialty Technical Publishers, March 2000

IMPORTANT SAFETY NOTICE: The information in the Material Safety Data Sheet relates only to the specific material(s) described herein and does not relate to use in combination with any other material or substance or in any process. We believe that the information contained herein is current as of the date of issue of this Material Safety Data Sheet. Since the use of this information and these opinions and the conditions of use of this product are not within the control of Sovereign Chemical Company, it is the user's obligation to determine the conditions of safe use of the product.

Users of this product should study this Material Safety Data Sheet and become aware of the product hazards and safety information before using the product. Users should also notify their employees, agents, and contractors of the information on this Material Safety Data Sheet and any product hazards and safety information in order to provide safe use of this product.