

**SOVEREIGN CHEMICAL COMPANY**

1225 W. Market St., Akron OH 44313  
Phone: 330-869-0500, Fax: 330-869-0518  
www.sovchem.net

**Material Safety Data Sheet****COAD CALCIUM STEARATES****1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION**

<b>Manufacturer:</b> The Norac Company, Inc. P.O. Box 577 South 405 South Motor Avenue Azusa, CA 91702	<b>Emergency Contact :</b> Chemtrec: 1-800-424-9300 (continental USA) (1)703-527-3887 (outside continental USA) Norac: 1-818-334-2908 1-800-786-6722
<b>Trade Name(s):</b> COAD <sup>®</sup> LM Calcium Disperso COAD <sup>®</sup> LM Calcium Stearate COAD <sup>®</sup> 10 Calcium Stearate	<b>MSDS Number:</b> 1634
<b>Chemical Name:</b> Calcium Stearate	<b>Synonyms:</b>
<b>Prepared By:</b> Sovereign Chemical Company	<b>Date of Issue:</b> June 2, 2009 (supersedes: December 2, 2003) <b>Revision Number:</b> 3 <b>Change(s):</b> Three year update

**2. INGREDIENTS**

<u>Component</u>	<u>CAS #</u>	<u>%</u>	<u>ACGIH</u> <u>(TWA)</u>	<u>OSHA</u> <u>(PEL)</u>
Calcium Stearate	1592-23-0	>95	10 mg/m <sup>3</sup> (As a nuisance particulate)	ND

Proprietary Surfactant\*

&lt;5

NE

NE

\*Prolonged contact may cause eye and/or skin irritation. Only included with Coad LM Calcium Stearate Disperso.

**3. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

Free flowing white powder with a slight fatty acid odor. Use appropriate personal protective equipment. Do not mix with strong oxidizing agents. Avoid accumulation of dust.

**HMIS Ratings:** Health – 0, Flammability – 1, Reactivity – 0, Personal Protective Equipment – E (safety glasses, gloves, apron, dust mask)

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.

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

**Potential Health Effects:**

**Eye:** Eye contact may cause inflammation.

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

**Ingestion:** Unknown

**Inhalation:** Nuisance dust. Airborne material may cause coughing and sneezing.

**Carcinogenicity:** This product is not recognized as a carcinogen by the IRAC, NTP or OSHA.

**Effects of Over-exposure:** Not known to aggravate any pre-existing conditions.

#### 4. FIRST AID MEASURES

**Skin:** Wash contaminated area thoroughly with soap and water.

**Eye:** Immediately flush with large quantities of water for at least 15 minutes and seek medical attention.

**Ingestion:** Call a poison control center and seek medical attention.

**Inhalation:** Remove victim to fresh air.

#### 5. FIRE FIGHTING MEASURES

**Flash Point:** >350°F (COC)      **LEL:** ND      **UEL:** ND      **Auto Ignition Temperature:** >700°F

Non-flammable

Use water (fog or spray) dry chemical, CO<sub>2</sub>, or foam 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. All organic dusts or powders can pose dust explosion hazards if dispersed in air. See NFPA 654.

#### 6. ACCIDENTAL RELEASE MEASURES

Take up any spilled product by mechanical means and place into sealed containers for proper disposal. 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. Individuals involved in the cleanup should wear appropriate personal protective equipment. See Section 8.

#### 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. Statement on elimination of ignition sources if needed. 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/M<sup>3</sup>.

**Eye Protection:** Safety goggles recommended.

**Protection Gloves:** Protective gloves recommended.

**Other Protection Items:** None

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b> Fine white powder	<b>Melt Point:</b> 125-155°C
<b>Vapor Density (Air = 1):</b> NA	<b>Octanol/Water Partition Coefficient:</b> No data available
<b>Vapor Pressure:</b> NA	<b>Evaporation Rate BuOAC = 1:</b> NA
<b>Odor:</b> Slightly fatty	<b>Specific Gravity:</b> 1.03
<b>% Volatile by Volume:</b> 3.0% moisture	<b>Boiling Point:</b> NA
<b>% Solubility (H<sub>2</sub>O):</b> All Coad Calcium Stearates are insoluble in water except for the the ones with Disperso in the name. The Disperso calcium stearates contain a surfactant that makes them soluble in water.	<b>pH:</b> NA

## **10. STABILITY AND REACTIVITY**

**Stability /Polymerization:** Stable.

**Incompatibility (conditions to avoid):** As with any organic material, do not mix with strong oxidizing agents.

**Hazardous Decomposition Products:** None

**Special Sensitivity:** None

## **11. TOXICOLOGICAL INFORMATION**

Unknown.

## **12. ECOLOGICAL INFORMATION**

No details 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.

such as CERCLA, RCRA, etc.

## **14. TRANSPORTATION INFORMATION**

Not regulated

## **15. REGULATORY INFORMATION**

**SARA Section 313 Title III and 40 CFR Part 372:** None.

**WHMIS:** No reportable quantity

**CERCLA/RCRA:** No reportable or threshold planning quantities.

**TSCA:** Listed on the TSCA inventory

**NTP, IARC, SUBPART Z, Proposition 54 (CA), Clean Air:** Not listed.

**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

HMS 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.