

AVITAR COMPANY



RAW MATERIALS FOR INDUSTRY

Corporate Office • 4130 West 12th • Lawrence, Kansas 66049 • 785-749-3636 • Fax 785-749-0071

MATERIAL SAFETY DATA SHEET

Product Name: Calcium Stearate
CAS No.: 1592-23-0

Page 1 of 3

HMIS Hazard Index

Hazardous 4 – Severe
Materials 3 – Serious
Identification 2 – Moderate
System 1 – Slight
0 – Minimal

HMIS Ratings

Health 0
Flammability 1
Reactivity 0

DIVISION AND LOCATION – SECTION I

Location: Avitar Company Telephone: (785) 749-3636
4130 West 12th Street Fax: (785) 749-0071
Lawrence, Kansas 66049
Transportation Emergency: Chemtrec 1-(800) 424-9300 (U.S. and Canada)

CHEMICAL AND PHYSICAL PROPERTIES – SECTION II

Chemical Name: octadecanoic acid, calcium salt

Formula: (C₁₇H₃₅COO)₂Ca

Hazardous Decomposition Products:

As with any organic material, combustion will produce carbon dioxide (CO₂) and probably carbon monoxide (CO)

Incompatibility (Keep away from):

Keep away from flame, heat (200½ F max) and strong oxidizing agents

Toxic and Hazardous Ingredients: none

Form: powder Odor: slight fatty odor

Appearance: white powder Color: white

Specific Gravity (water=1): 1.03

Boiling Point: not applicable

Melting Point: 160°C (320°F)

Solubility in Water (by weight %): negligible

Volatile (by weight %): 1.0 moisture

Evaporation Rate: nil

Vapor Pressure (mm Hg at 20°C): nil

Vapor Density (air=1): no data available

pH (as is): no data available

Stability: Product is stable under normal conditions

Viscosity SUS at 100°F: not applicable

MATERIAL SAFETY DATA SHEET

Product Name: Calcium Stearate

Page 2 of 3

FIRE AND EXPLOSION DATA – SECTION III

Special Fire Fighting Procedures:

Firefighters must be equipped to prevent breathing of vapors or products of combustion. Wear an approved self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards:

Only usual hazards associated with organic dusts. The possibility of explosion exists under dusty conditions. Avoid dusting when handling and avoid all possible sources of ignition (spark or flame).

Flashpoint: (Method Used) Cleveland open cup greater than 177°C (350°F)

Flammable limits %:

Not applicable

Extinguishing agents:

Drychemical or Waterspray or CO₂ or Foam

HEALTH HAZARD DATA – SECTION IV

Permissible concentrations (air):

Particulates not otherwise regulated: Total dust TWA: 15mg/m³ Respirable

Fraction: 5mg/m³ (OSHA)

Chronic effects of overexposure:

Respiratory congestion due to dust

Acute toxicological properties:

No data available

Emergency First Aid Procedures:

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

Skin Contact: Wash with detergent and water.

Inhalation: Remove subject to fresh air.

If Swallowed: Call a physician immediately.

SPECIAL PROTECTION INFORMATION – SECTION V

Ventilation Type Required (Local, mechanical, special):

Local exhaust suggested to prevent dust build up.

Respiratory Protection (specify type):

Use NIOSH/MSHA certified dust mask and/or respirator where appropriate.

Protective Gloves:

Rubber

Eye Protection:

Chemical safety goggles

Other Protective Equipment:

Neoprene protective type apron

MATERIAL SAFETY DATA SHEET

Product Name: Calcium Stearate

Page 3 of 3

HANDLING OF SPILLS OR LEAKS -- SECTION VI

Procedures for Clean-Up:

Sweep or scoop up using non-sparking equipment and place in double polyethylene bags.
Isolate contaminated containers to a safe place for disposal.

Waste Disposal:

Dispose of in accordance with all applicable federal, state and local regulations.

SPECIAL PRECAUTIONS -- SECTION VII

Precautions to be taken in handling and storage:

Avoid dusting. Under dusty conditions, avoid all sources of ignition, including sparks and static electricity.

TRANSPORTATION DATA -- SECTION VIII

D.O.T.: Not regulated

Reportable Quantity: Not applicable

Freight Classification: Metallic soaps of fatty acids

Special Transportation Notes:

None

ENVIRONMENTAL/SAFETY REGULATIONS – SECTION IX

Section 313 (Title III Superfund Amendment and Reauthorization Act):

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 372.

COMMENTS

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: calcium stearate 1592-23-0.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.