Calcium Stearate NF Kosher

Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Revision Date: 11/06/2013
Supersedes: 09/12/2008
Version: 1.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1. Product Identifier
Product Form: Substance
Product Name: Calcium Stearate NF Kosher

CAS No: 1592-23-0
Synonyms: Fatty Acid, Hydrogenated, calcium salt

1.2. Intended Use of the Product
Use of the substance/mixture: Per FDA 21CFR - Salts of fatty acids, Defoaming agents, Constituent of an adhesive used as a component articles intended for use in packaging, transporting of holding food, Drier for resinous and polymeric coatings in contact with food, Adjuvant (release agent, dispersant) for resinous and polymeric coatings for Polyolefin films used in contact with food, Components of paper and paper-board in contact with aqueous and fatty foods, Defoaming agent for coatings in contact with food, Fiber finishing of resin-bonded filters used for producing, manufacturing, processing and preparing food. Lubricant in production of phenolic resins which are used as the food-contact surface of molded articles intended for repeated contact with non-acidic food, Plasticizers for rubber articles used in producing, manufacturing, packing, processing, preparing, treating, packaging, transporting or holding food, Antioxidant and/or stabilizer for polymers used in the manufacturing of articles intended or use in producing, manufacturing, packing, processing, preparing, treating, packaging, transporting or holding food, Stabilizer for food packaging materials.

1.3. Name, Address, and Telephone of the Responsible Party
Company
Acme-Hardesty Co.
450 Sentry Parkway
Blue Bell, PA  19422
T 866-226-3834   T 215-591-3610
www.acme-hardesty.com

1.4. Emergency Telephone Number
Emergency Number : 800-424-9300
For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC – Day or Night

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture
Classification (GHS-US)
Comb. Dust  H232

2.2. Label Elements
GHS-US Labeling
Signal Word (GHS-US) : Warning
Hazard Statements (GHS-US) : H232 - May form combustible dust concentrations in air

2.3. Other Hazards
No additional information available

2.4. Unknown Acute Toxicity (GHS-US): No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium stearate</td>
<td>(CAS No) 1592-23-0</td>
<td>100</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16

3.2. Mixtures
Not applicable

Full text of H-phrases: see section 16
SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area.

First-aid Measures After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes.

First-aid Measures After Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/Injuries: None expected under normal conditions of use.

Symptoms/Injuries After Inhalation: Dust from this product may cause irritation to the respiratory tract.

Symptoms/Injuries After Skin Contact: Skin contact with large amounts of dust may cause mechanical irritation.

Symptoms/Injuries After Eye Contact: Eye contact with large amounts of dust may cause mechanical irritation.

Symptoms/Injuries After Ingestion: May cause nausea, vomiting, and diarrhea.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media suitable for surrounding type of fire. Carbon dioxide, dry chemical powder, alcohol foam, water spray.

Unsuitable Extinguishing Media: Water or foam may cause frothing.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Dust clouds can be explosive.

Reactivity: Stable at ambient temperature and under normal conditions of use.

5.3. Advice for Firefighters

Firefighting Instructions: Exercise caution when fighting any chemical fire.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid generating dust. Can be slippery on hard, smooth walking area.

6.1.1. For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).


6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Avoid generation of dust during clean-up of spills. Use a soft bristle brush or conductive rubber or conductive plastic shovel. Use caution, material is sensitive to initiation from sources such as heat, flame, shock, friction, or sparks. Use only non-sparking tools.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely.

6.4. Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.
SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: May form combustible dust concentrations in air. Use care during processing to minimize generation of dust.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Good housekeeping is needed during storage, transfer, handling, and use of this material to avoid excessive dust accumulation.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

Incompatible Products: Strong oxidizers.

Incompatible Materials: Keep away from strong oxidizers.

Storage Temperature: In bulk, store at about 5-10°C above melting point or at ambient temperature.

Storage Area: Temperature higher than necessary degrades quality at rates dependent on time and temperature of exposure.

Special Rules on Packaging: Stainless steel preferred for storage.

7.3. Specific End Use(s) See section 1

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

8.2. Exposure Controls

Appropriate Engineering Controls: Avoid dust production. Avoid high dust concentration. Provide adequate ventilation to minimize dust concentrations.


Hand Protection: Rubber gloves.

Eye Protection: Chemical goggles or safety glasses.

Respiratory Protection: When manufacturing or handling product in large quantities and dusts or particulates may be generated, maintain airborne concentrations below recommended limits. Workplace risk assessments should be completed before specifying and implementing respirator usage. NIOSH/MSHA approved respirators for protection should be used if respirators are found to be necessary.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State: Solid

Appearance: White fluffy powder or granules.

Odor: No data available

Odor Threshold: No data available

pH: 9 typical (water slurry @25°C)

Relative Evaporation Rate (butylacetate=1): No data available

Melting Point: 148 - 160 °C (298.4-320°F)

Freezing Point: No data available

Boiling Point: Decomposes

Flash Point: 277 °C (530.6°F) Open Cup

Auto-ignition Temperature: No data available

Decomposition Temperature: No data available

Flammability (solid, gas): No data available

Vapor Pressure: No data available
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Relative Vapor Density at 20 °C : No data available
Relative Density : 1.03 @20°C
Specific Gravity : Not available
Solubility : Insoluble.
Log Pow : No data available
Log Kow : No data available
Viscosity, Kinematic : No data available
Viscosity, Dynamic : No data available
Explosive Properties : No data available
Oxidizing Properties : Not data available
Explosive Limits : Not applicable

9.2. Other Information No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Stable at ambient temperature and under normal conditions of use.
10.2 Chemical Stability: Dust clouds can be explosive.
10.3 Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
10.4 Conditions to Avoid: Avoid creating or spreading dust. Avoid ignition sources. Direct sunlight. Extremely high or low temperatures. Sparks, heat, open flame and other sources of ignition.
10.5 Incompatible Materials: Strong oxidizers.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects
Acute Toxicity : Not classified
Skin Corrosion/Irritation: Not classified pH: 9 typical (water slurry @25°C)
Serious Eye Damage/Irritation: Not classified pH: 9 typical (water slurry @25°C)
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Aspiration Hazard: Not classified
Symptoms/Injuries After Inhalation: Dust from this product may cause irritation to the respiratory tract.
Symptoms/Injuries After Skin Contact: Skin contact with large amounts of dust may cause mechanical irritation.
Symptoms/Injuries After Eye Contact: Eye contact with large amounts of dust may cause mechanical irritation.
Symptoms/Injuries After Ingestion: May cause nausea, vomiting, and diarrhea.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity No additional information available
12.2. Persistence and Degradability
Calcium Stearate NF Kosher (1592-23-0)
Persistence and Degradability Not established.

12.3. Bioaccumulative Potential
Calcium Stearate NF Kosher (1592-23-0)
Bioaccumulative Potential Not established.

12.4. Mobility in Soil No additional information available
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12.5. Other Adverse Effects
Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

SECTION 14: TRANSPORT INFORMATION

In Accordance With IMDG/IATA/DOT

14.1. UN Number: Not applicable
14.2. UN Proper Shipping Name: Not regulated for transport.
14.3. Additional Information
Other information: No supplementary information available.

Transport by Sea: Not regulated for transport.
Air Transport: Not regulated for transport.

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations
Calcium stearate (1592-23-0)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2 US State Regulations
Calcium stearate (1592-23-0)
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

SECTION 16: OTHER INFORMATION

Indication of Changes: Revision date.
Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

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