

MATERIAL SAFETY DATA SHEET

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CALCIUM STEARATE

Issue date: 21 December 2022

Revision date: July 16th, 2020 REVISION 3

Presentation and rules of drafting in conformity with the regulation (CE) 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

1. PRODUCT AND COMPANY IDENTIFICATION

Substance exempted following amendment V of the REACH regulation.

1.1 CALCIUM STEARATE

1.2 Substance/use: Lubricant

1.3. Companies Identification:

Supplier: Assistance Distribution Chimie
123 rue Marie Curie
26780 Châteauneuf-du-Rhône
Phone number: +33 (0)4 75 54 35 05
E-Mail: contact@adc-chimie.com

Producer: FACI S.p.A
Italia

Emergency telephone: ORFILA 33 (0)1 45 42 59 59

ANTI-POISON CENTERS:

Paris: 33(0) 1 40 05 48 48 –

Angers: 33 (0)2 41 48 21 21

Bordeaux: 33 (0)5 56 96 40 80

Lille: 0 825 812 822

Lyon: 33 (0)3 4 72 11 69 11

Marseille: 33(0) 4 91 75 25 25

Nancy: 33 (0)3 83 32 36 36

Rennes: 33 (0)2 99 59 22 22

Strasbourg: 33 (0)3 88 37 37 37

Toulouse: 33 (0)5 61 77 74 47

Toxicovigilance centers: GRENOBLE – REIMS - ROUEN

2. HAZARDS IDENTIFICATION.

2.1 Classification:

2.1.1 Classification according to Regulation (EC) No. 1272/2008 [CLP]: not classified

2.1.2 Adverse physicochemical, human health and environmental effects: no additional information available

2.2 Label elements:

Labelling according to Regulation (EC) No. 1272/2008 [CLP]: no labelling applicable.

2.3 Other hazards not contributing to the classification: may form combustible dust concentrations in air.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

3.1 Identification of the substance: Sodium stearate

EINECS N°

CAS number

REACH number

%

216-472-8

1592-23-0

not available

> 98

3.2 Mixtures: not applicable.

4. FIRST AID MEASURES:

4.1 Description of first aid measures:

4.1.1 Inhalation: Remove person to uncontaminated area. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention.

4.1.2 Skin contact: Gently wash with plenty of soap and water. Remove contaminated clothing. Drench affected area with water for at least 15 minutes. If skin irritation occurs: get medical advice/attention. Wash contaminated clothing before reuse.

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- 4.1.3 Eye contact: Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
 - 4.1.4 Ingestion: Get immediate medical advice/attention. Do not induce vomiting without medical advice.
 - 4.2 Symptoms/effects after eye contact:
Dusts are mechanical irritants.
 - 4.3 Indication of any immediate medical attention and special treatment needed:
No additional information available.
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5. FIRE-FIGHTING MEASURES

- 5.1 Extinguishing media:
 - 5.1.1 Suitable extinguishing media: Water spray, dry chemical, foam, carbon dioxide.
 - 5.1.2 Unsuitable extinguishing media: Do not use a heavy water stream.
 - 5.2 Special hazards arising from the substance or mixture:
 - 5.2.1 Fire hazard: Potential dust explosion hazard from airborne release. High concentrations of dust or fine particulate in enclosed spaces may represent a fire/explosion risk.
 - 5.2.2 Explosion hazard: Potential dust explosion hazard from airborne release. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
 - 5.2.3 Hazardous decomposition products in case of fire: Toxic fumes may be released.
 - 5.3 Advice for firefighters:
 - 5.3.1 Precautionary measures fire: Avoid generation of dust. Keep container tightly closed and away from heat, sparks and flame.
 - 5.3.2 Firefighting instructions: Move undamaged containers from immediate hazard area if it can be done safely. Stay upwind/keep distance from source.
 - 5.3.3 Protective equipment for firefighters: Use self-contained breathing apparatus and chemically protective clothing. Wear fire/flame resistant/retardant clothing.
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6. ACCIDENTAL RELEASE MEASURES:

- 6.1 Personal precautions, protective equipment and emergency procedures:
 - 6.1.1 For non-emergency personnel:
Protective equipment: Wear suitable clothing. Wear recommended personal protective equipment.
Emergency procedures: Avoid breathing dust. Immediately contact emergency personnel. Evacuate area.
 - 6.1.2 For emergency responders:
Protective equipment: In case of fire: Wear self-contained breathing apparatus. Wear suitable protective clothing. Wear recommended personal protective equipment.
Emergency procedures: Evacuate and limit access. Take precautionary measures against static discharge. Avoid breathing dust. Material spilled on hard surface can present a serious slipping/falling hazard. Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.
 - 6.2 Environmental precautions: Do not allow to enter into ground-water, surface water or drains.
 - 6.3 Methods and material for containment and cleaning up:
For containment: Contain the spillage using bonding. For larger spills, dike area and pump into waste containers. Mechanically ventilate the spillage area. Use clean-up methods that avoid dust generation (vacuum wet).
Methods for cleaning up: Avoid creating or spreading dust. Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal.
 - 6.4 For disposal of residues: refer to section 13: Disposal considerations.
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7. HANDLING AND STORAGE:

7.1 Handling:

7.1.1 Additional hazards processed: Generation of airborne dust. Dust may form flammable and explosive mixture with air.

7.1.2 Precautions for safe handling: Do not breathe dust. Use approved industrial vacuum cleaner for removal. Avoid raising powdered materials into airborne dust. Provide local exhaust or general room ventilation to minimize exposure to dust. Use grounded electrical/mechanical equipment. Use explosionproof equipment.

7.1.3 Hygiene measures: Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing prior to re-use. Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities:

7.2.1 Storage: Store in a cool, dry area. Keep container tightly closed.

7.2.2 Maximum storage period: 24 months

7.2.3 Heat and ignition sources: Keep away from open flames, hot surfaces and sources of ignition.

7.2.4 Special rules on packaging: Keep only in original container.

7.3 Special rules on packaging: Keep only in original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

8.1 Control parameters:

Belgium:	Limit value (mg/m ³): 10 mg/m ³
Ireland:	OEL (8 hours ref) (mg/m ³): 10 mg/m ³
Italia:	OEL TWA (mg/m ³): 3 mg/m ³ stearates (except stearates of toxic metals), respirable fraction
Lithuania:	IPRV (mg/m ³): 5 mg/m ³
Portugal:	OEL TWA (mg/m ³): 10 mg/m ³
Spain:	VLA-ED (mg/m ³): 10 mg/m ³
Sweden:	nivågränsvärde (NVG) (mg/m ³): 5 mg/m ³ (total dust)

8.2 Exposure controls: not available

8.2.1 Appropriate engineering controls: Provide adequate ventilation to minimize dust concentrations. Either local exhaust or general room ventilation is usually required. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2 Personal protective equipment: Gloves. In case of dust production: protective goggles. Protective clothing. Respiratory protection.

8.2.3 Materials for protective clothing: Wear chemical resistant protective clothing (EN 14605) and protective shoes (S1P or S3)

8.2.4 Hand protection: Wear suitable gloves tested to EN 374. Thickness of glove material: > 0.11 mm. Breakthrough time : > 480 min. Nitrile rubber

8.2.5 Eye protection: In case of dust production: protective goggles. EN 166

8.2.6 Respiratory protection: Dust production: dust mask with filter type P2

8.2.7 Personal protective equipment symbol(s):



9. PHYSICAL AND CHEMICAL PROPERTIES:

9.1 Physical form at room temperature:	Solid
Colour:	White
Odor:	Slight fatty

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9.2 Important health, safety and environmental information:

pH:	7 - 9 (20°C in water)
Boiling point:	not applicable
Melting point:	145 - 175 °C
Freezing point:	not available
Flash point:	200 °C (C.O.C. method)
Auto-ignition temperature:	400 °C
Decomposition temperature:	>350 °C
Flammable limits in air:	no data available
Explosive properties:	Product: no Dust/air: may form explosive mixture
Oxidizing properties:	none
Vapor pressure:	no data available
Log Pow:	0.8
Density:	1,095 g/cc
Solubility:	organic solvent: partially soluble
Water solubility:	insoluble
Partition coefficient: n-octanol/water:	not available
Viscosity:	not available
Vapor density:	not available
Evaporation rate:	none
Density:	1.04 g/cm ³ (melted)
Bulk density:	190 - 260 kg/m ³

10. STABILITY AND REACTIVITY:

10.1 Reactivity:	stable under normal conditions of use.
10.2 Chemical stability:	stable under normal conditions of use.
10.3 Possibility of hazardous reactions:	None under normal conditions.
10.4 Conditions to avoid:	keep away from open flames, hot surfaces and sources of ignition. No smoking.
10.5 Incompatible materials:	strong acids and oxidants.
10.6 Hazardous decomposition products:	thermal decomposition generates: calcium oxides and carbon oxides.

11. TOXICOLOGICAL INFORMATION:

11.1 Acute toxicity:	not classified.
11.2 LD50 (oral/rat):	>10g/kg
11.3 Toxicity:	
Skin corrosion/irritation:	Not classified pH: 7 - 9 (20°C in water)
Serious eye damage/irritation:	Not classified pH: 7 - 9 (20°C in water)
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT-single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified

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12. ECOLOGICAL INFORMATION:

12.1 Toxicity:	
Acute aquatic toxicity:	not classified
Chronic aquatic toxicity:	not classified
12.2 Persistence and degradability:	readily biodegradable
12.3 Bioaccumulative potential:	Log Pow = 0.8
12.4 Mobility in soil:	not available
12.5 Results of PBT assessment:	not available
12.6 Other adverse effects:	not available

13. DISPOSAL CONSIDERATIONS:

13.1 Waste treatment methods: Can be deposited in landfills, sent to an incineration or other appropriate means of disposal provided they meet the requirements of local laws.

14. TRANSPORT INFORMATION:

14.1 Not classified as dangerous in the meaning of transport regulations: IMDG, ADR, ADN, RID, IATA	
14.2 Special precautions for user:	
Overland transport:	not applicable
Transport by sea:	not applicable
Air transport:	not applicable
Inland waterway transport:	not applicable
Rail transport:	not applicable
14.3 Transport in bulk according to Annex II of Marpol and the IBC Code:	not applicable.

15. REGULATORY INFORMATION:

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1 EU-Regulations:

No REACH Annex XVII restrictions

CALCIUM STEARATE is not on the REACH Candidate List

CALCIUM STEARATE is not on the REACH Annex XIV List

15.1.2 National Regulations

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on the Canadian DSL (Domestic Substances List)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Japanese ISHL (Industrial Safety and Health Law)

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on Turkish inventory of chemical

Listed on the TCSI (Taiwan Chemical Substance Inventory)

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Germany

Reference to AwSV: Water hazard class (WGK) nwg, Non-hazardous to water (Classification according to VwVwS, Annex 3; ID No. 3160)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands:

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding: The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid: The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling: The substance is not listed

Denmark:

Classification remarks: Emergency management guidelines for the storage of flammable liquids must be followed.

15.2 Chemical safety assessment: CSA is not required. The substance is not hazardous.

16. OTHER INFORMATION:

16.1 Abbreviations and acronyms:

CLP - Classification, Labelling and Packaging

REACH - Registration, Evaluation, Authorization and Restriction of Chemicals

SDS - Safety Data Sheet

CSR - Chemical Safety Report

Overland transport (ADR)

CAS (Chemical Abstracts Service) number

PBT - Persistent, Bioaccumulative and Toxic substance

vPvB - Very Persistent and Very Bioaccumulative

IATA International Air Transport Association

IMDG International Maritime Dangerous Goods

LD50 Median lethal dose

17. OTHER INFORMATION:

17.1 No restriction for this chemical under normal condition of uses.

This MSDS completes the technical data sheet but does not replace it. The information provided in this Safety Data Sheet is correct to the best of our knowledge information and belief at the date of its revision. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, distribution, uses and cleaning, disposal and release in a security state and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process unless specified in the text.

We caution the users to the incurred possible risks when the product is used at other ends than the use for which it is planned.

It exempts under no circumstances the user from knowing and applying all the texts regulating its activity. The user will take under its only responsibility the precautions linked to the use which he makes of the product.

Active

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