



## SAFETY DATA SHEET

### Calcium stearate

According to Regulation (EU) No 453/2010

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

##### 1.1. Product identifier

<b>Product name</b>	<b>Calcium stearate</b>
<b>Synonyms</b>	Calcium distearate.

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

<b>Identified uses</b>	Industrial use.
<b>Uses advised against</b>	No specific uses advised against are identified.

##### 1.3. Details of the supplier of the safety data sheet

<b>Manufacturer / Supplier</b>	<b>Tepe Kimya San. ve Tic.A.Ş.</b>
Head office	Aydınlı Mahallesi Mobilyacılar Küçük Sanayi Sitesi Yan Yol Caddesi Melodi Sokak. No:2/28 Tuzla-Istanbul/TURKEY
Factory	2. Organize Sanayi Bölgesi 7. Cadde. No: 11 Hendek-Sakarya/TURKEY
	Tel: +90 216 593 19 20 Fax: +90 216 593 19 25 Email: info@tepekimya.com Web: www.tepekimya.com
<b>Contact Person</b>	Halil BOZTEPE ( Mr )

##### 1.4. Emergency telephone number

Tepe Kimya : +90 216 593 19 20

#### SECTION 2: HAZARDS IDENTIFICATION

##### 2.1. Classification of the substance or mixture

###### **Classification (EC 1272/2008)**

Physical and Chemical Hazards	Not classified.
Human health	Not classified.
Environment	Not classified.

###### **Classification (1999/45/EEC)**

Not classified.

##### 2.2. Label elements

<b>EC No.</b>	216-472-8
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**Label In Accordance With (EC) No. 1272/2008**

**Hazard Statements**

Not classified.

**Precautionary Statements**

Not classified.

**2.3. Other hazards**

Not Classified as PBT/vPvB by current EU criteria.

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.1. Substances**

**Product name** Calcium stearate

**CAS-No.** 1592-23-0

**EC No.** 216-472-8

**Gross Formula** C<sub>36</sub>H<sub>70</sub>CaO<sub>4</sub>

**Composition Comments**

- The data shown are in accordance with the latest EC Directives.

#### SECTION 4: FIRST AID MEASURES

**4.1. Description of first aid measures**

**Inhalation**

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

**Ingestion**

Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues.

**Skin contact**

Remove affected person from source of contamination. Remove contaminated clothing.

Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

**Eye contact**

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids.

Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

**Eye contact**

May cause temporary eye irritation.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat Symptomatically.

#### SECTION 5: FIREFIGHTING MEASURES

**5.1. Extinguishing media**

**Extinguishing media** : This product is not flammable. Extinguish with foam, carbon dioxide, dry powder or water fog.

**Unsuitable extinguishing media:** No data available.



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#### **5.2. Special hazards arising from the substance or mixture**

##### **Unusual Fire & Explosion Hazards**

Dust may form explosive mixture with air.

##### **Specific hazards**

In case of fire, toxic gases may be formed.

#### **5.3. Advice for firefighters**

##### **Special Fire Fighting Procedures**

Move container from fire area if it can be done without risk. Keep run-off water out of sewers and water sources.  
Dike for water control.

##### **Protective equipment for fire-fighters**

Face mask, protective gloves and safety helmet. Use air-supplied respirator during fire fighting.

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of dust.  
Avoid contact with skin and eyes. Provide adequate ventilation. Do not smoke, use open fire or other sources of ignition.

#### **6.2. Environmental precautions**

Avoid discharge into water courses or onto the ground.

#### **6.3. Methods and material for containment and cleaning up**

Avoid generation and spreading of dust. Shovel into dry containers. Cover and move the containers.  
Flush the area with water. Remove small spills with vacuum cleaner.

#### **6.4. Reference to other sections**

For personal protection, see section 8.  
See section 11 for additional information on health hazards.  
For waste disposal, see section 13.

### **SECTION 7: HANDLING AND STORAGE**

#### **7.1. Precautions for safe handling**

Avoid spilling, skin and eye contact. Read and follow manufacturer's recommendations.  
Do not eat, drink or smoke when using the product. Observe good chemical hygiene practices.  
Avoid inhalation of dust and contact with skin and eyes. Avoid handling which leads to dust formation.  
Provide good ventilation. Mechanical ventilation or local exhaust ventilation may be required.

#### **7.2. Conditions for safe storage, including any incompatibilities**

Store in tightly closed original container in a dry, cool and well-ventilated place.  
Keep away from food, drink and animal feeding stuffs.  
Avoid contact with water and humidity. Avoid contact with oxidising agents.

#### **7.3. Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

### **SECTION 8: EXPOSURE CONTROLS/PERSONAL**

#### **PROTECTION 8.1. Control parameters**

Name	Standard	TWA-8 hrs		STEL-15 min.		Notes
Calcium stearate	ACGIH		10 mg/m <sup>3</sup>			
Calcium stearate	WEL		2 mg/m <sup>3</sup>			



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ACGIH = American Conference of Industrial Hygienists  
WEL = Workplace Exposure Limit.

#### 8.2. Exposure controls

##### Protective equipment



##### Engineering measures

Provide eyewash station.

##### Engineering measures

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.

##### Respiratory equipment

No specific recommendation made, but protection against nuisance dust must be used when the general level exceeds 10 mg/m<sup>3</sup>.

##### Hand protection

Use suitable protective gloves if risk of skin contact. Nitrile gloves are recommended. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

##### Eye protection

Wear approved safety goggles.

##### Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet.

Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated.

When using do not eat, drink or smoke.

##### Skin protection

Wear apron or protective clothing in case of contact.

##### Environmental Exposure Controls

Keep container tightly sealed when not in use. Store in a demarcated bunded area to prevent release to drains and/or watercourses.

#### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

##### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Powder, dust
<b>Colour</b>	White / off-white.
<b>Odour</b>	Characteristic.
<b>Solubility</b>	Slightly soluble in water.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Melting point</b>	148°C (298.4°F)
<b>Relative density</b>	Not available.
<b>Bulk Density</b>	Not available.
<b>pH-Value, Diluted Solution</b>	Not available.
<b>Viscosity</b>	Not applicable.
<b>Decomposition temperature</b>	Not available.
<b>Auto Ignition Temperature</b>	Not available.



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<b>Flammability Limit - Lower(%)</b>	Not available.
<b>Flammability Limit - Upper(%)</b>	Not available.
<b>Explosive properties</b>	Not available.
<b>Oxidising properties</b>	Not available.

#### 9.2. Other information

**Mol. Weight** 607.03 g/mole

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity

There are no known reactivity hazards associated with this product.

#### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use. Stable under the prescribed storage conditions.

#### 10.3. Possibility of hazardous reactions

Not available.

#### 10.4. Conditions to avoid

Avoid contact with water.

#### 10.5. Incompatible materials

Strong oxides.

#### 10.6. Hazardous decomposition products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

##### **Toxicological information**

##### **Toxic Dose 1 - LD 50**

>10000 mg/kg (oral - rat)

##### **Skin Corrosion / irritation**

Not available.

##### **Serious eye damage/irritation:**

Not available.

##### **Respiratory sensitisation**

Not available.

##### **Skin sensitisation**

Not available.

##### **Germ cell mutagenicity:**

##### **Genotoxicity - In Vitro**

Not available.

##### **Genotoxicity - In Vivo**

Not available.

##### **Carcinogenicity:**

No information required.

**IARC Carcinogenicity** : Not listed.

**NTP – Carcinogenicity** : Not listed.



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#### **Reproductive Toxicity:**

##### **Reproductive Toxicity - Fertility**

Not available.

##### **Reproductive Toxicity - Development**

Not available.

#### **Specific target organ toxicity - single exposure:**

##### **STOT - Single exposure**

No information required.

#### **Specific target organ toxicity - repeated exposure:**

##### **STOT - Repeated exposure**

No information required.

#### **Inhalation**

Dust in high concentrations may irritate the respiratory system.

#### **Ingestion**

May cause discomfort if swallowed. Gastrointestinal symptoms, including upset stomach.

#### **Skin contact**

Prolonged and frequent contact may cause redness and irritation.

#### **Eye contact**

Particles in the eyes may cause irritation and smarting.

## **SECTION 12: ECOLOGICAL INFORMATION**

#### **Ecotoxicity**

Not regarded as dangerous for the environment.

#### **12.1. Toxicity**

No data available.

#### **12.2. Persistence and degradability**

There are no data on the degradability of this product.

#### **12.3. Bioaccumulative potential**

No data available on bioaccumulation.

#### **12.4. Mobility in soil**

The product is soluble in water.

#### **12.5. Results of PBT and vPvB assessment**

Not available.

#### **12.6. Other adverse effects**

No information required.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

#### **13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements.  
Environmental manager must be informed of all major spillages. Contact specialist disposal companies.



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#### **SECTION 14: TRANSPORT INFORMATION**

**General** The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**14.1. UN number**

Not applicable.

**14.2. UN proper shipping name**

Not applicable.

**14.3. Transport hazard class(es)**

**Transport Labels** No transport warning sign required.

**14.4. Packing group**

Not applicable.

**14.5. Environmental hazards**

**Environmentally Hazardous Substance/Marine Pollutant**

No.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

#### **SECTION 15: REGULATORY INFORMATION**

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

**Guidance Notes**

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

**EU Legislation**

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

#### **SECTION 16: OTHER INFORMATION**

**Issued By**

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