

METTLER TOLEDO SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
(amended by Regulation (EU) 2020/878)

cSmartCal, SmartCal

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name cSmartCal, SmartCal

Product code cSmartCal: 30005791, 30005793, 30005918, 30005794, 30031398
SmartCal: 30005790, 30005792, 30005917

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

Use of the Substance/Mixture Moisture analyzer test substance

1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification Mettler-Toledo GmbH
Im Langacher 44
CH-8606 Greifensee
Switzerland
Tel: +41 22 567 53 22
Fax: +41 22 567 53 23
Email: ph.lab.support@mt.com

1.4. Emergency telephone number (24-Hour-Number): GBK GmbH +49 6132 84463

Revision date 12.01.2023

Version GHS 2

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 The substance or mixture is not classified.

In accordance with Regulation (EC) No. 1272/2008, the product does not need to be classified nor labelled.

Additional information For the full text of the phrases mentioned in this Section, see Section 16.

2.2. Label elements

Signal Word	-
Hazard Statements	None.
Precautionary statements	None.
Supplemental information	None.

Product identifier None.

2.3. Other hazards None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Inorganic compound.

Components		CLP Classification	Product identifier
Zeolite A	65% - 85%	-	CAS-No.: 1318-02-1 EC-No.: 215-283-8
Clay binder	0% - 21%	-	CAS-No.: 1302-87-0 EC-No.: 603-400-9
Water	14% - 15%	-	CAS-No.: 7732-18-5 EC-No.: 231-791-2

For the full text of the phrases mentioned in this Section, see Section 16.

Hazardous impurities None known.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	No special measures required.
Skin contact	Wash with water and soap as a precaution.
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

4.2. Most important symptoms and effects, both acute and delayed None known.

4.3. Indication of any immediate medical attention and special treatment needed None known.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media No special measures required.

Unsuitable extinguishing media None.

5.2. Special hazards arising from the substance or mixture The product is not flammable.

5.3. Advice for firefighters

Special protective equipment for firefighters Standard procedure for chemical fires.

Specific methods No special measures required.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel No special measures required.

For emergency responders Avoid dust formation. Use personal protective equipment.

6.2. Environmental precautions No special environmental precautions required.

6.3. Methods and material for containment and cleaning up Sweep up and shovel. After cleaning, flush away traces with water.

SECTION 7: Handling and storage

7.1. Precautions for safe handling No special technical protective measures required.

7.2. Conditions for safe storage, including any incompatibilities Store at room temperature in the original container. Keep away from humid air and water. Never allow product to get in contact with water during storage.

7.3. Specific end use(s) No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s)	Total dust Permissible exposure limit: 10 mg/m ³ . respirable dust Permissible exposure limit: 3 mg/m ³ .
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8.2. Exposure controls

Appropriate engineering controls General industrial hygiene practice.

Personal protection equipment

Respiratory protection Breathing apparatus only if aerosol or dust is formed. Dust safety masks are recommended when the dust concentration is more than 10 mg/m³. Half mask with a particle filter P2 (EN 143).

Hand protection Normally none needed. Use gloves if repeated or prolonged contact is expected.

Eye protection Avoid contact with eyes.

Skin and body protection No special measures required.

Thermal hazards No special measures required.

Environmental exposure controls No special measures required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Pellets.
Colour	Beige.
Odour	Odourless.
Melting point/ freezing point:	> 400°C
Boiling point or initial boiling point / range:	n.a.
Flammability:	Not determined.
Lower and upper explosion limit:	Not determined.
Flash point:	does not ignite
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
pH:	9-11.5 (5% in H ₂ O)
Kinematic viscosity:	Not determined.
Solubility:	insoluble (Water) insoluble (Hydrocarbons)
Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density:	500-900 kg/m ³

Relative vapour density: Not determined.
Particle characteristics: Not applicable.

9.2. Other information

Other safety characteristics No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity No information available.

10.2. Chemical stability No decomposition if used as directed.

10.3. Possibility of hazardous reactions The product reacts with water and generates heat.

10.4. Conditions to avoid Avoid creating dust.

10.5. Incompatible materials The product is a desiccant and develops a lot of heat on contact with water.

10.6. Hazardous decomposition products None under normal use.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity **Zeolite A (CAS 1318-02-1)**
Dermal LD50 Rabbit > 2000 mg/kg (ECHA)
Inhalation LC50 Rat > 3.35 mg/L 4 h(ECHA)
Oral LD50 Rat > 5110 mg/kg (ECHA)
Water (CAS 7732-18-5)
Oral LD50 Rat > 90 mL/kg (FOOD_JOURN)

Skin corrosion/irritation No skin irritation.

Serious eye damage/eye irritation Slight eye irritation.

Respiratory / Skin Sensitisation None.

Carcinogenicity Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure) No data available.

Specific target organ toxicity (repeated exposure) No data available.

Aspiration hazard	No data available.
Human experience	This product has no known adverse effect on human health.

11.2. Information on other hazards

Endocrine disrupting properties	Contains no endocrine disrupting chemicals.
Other information	No data available.

SECTION 12: Ecological information

12.1. Toxicity	No data available.
Zeolite A (CAS 1318-02-1)	
Ecotoxicity - Freshwater Algae - Acute Toxicity Data	EC50 96 h <i>Desmodesmus subspicatus</i> 18 mg/L (IUCLID)
Ecotoxicity - Freshwater Fish - Acute Toxicity Data	LC50 96 h <i>Brachydanio rerio</i> 1800 mg/L [semi-static] (IUCLID) LC50 96 h <i>Oryzias latipes</i> 3200 - 5600 mg/L [semi-static] (IUCLID) LC50 96 h <i>Poecilia reticulata</i> 1800 - 3200 mg/L [semi-static] (IUCLID)
Ecotoxicity - Water Flea - Acute Toxicity Data	EC50 48 h <i>Daphnia magna</i> 1000 - 1800 mg/L (IUCLID)
12.2. Persistence and degradability	The methods for determining biodegradability are not applicable to inorganic substances.
12.3. Bioaccumulative potential	Does not bioaccumulate.
12.4. Mobility in soil	Immobile.
12.5. Results of PBT and vPvB assessment	No information available.
12.6. Endocrine disrupting properties	No information available.
12.7. Other adverse effects	No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products	Can be landfilled, when in compliance with local regulations. European Waste catalogue code (EWC-code): 06 13 99.
Contaminated packaging	Offer rinsed packaging material to local recycling facilities.

SECTION 14: Transport information

14.1. UN number or ID number Not applicable.

14.2. UN proper shipping name Not applicable.

14.3. Transport hazard class(es) Not applicable.

14.4. Packing group Not applicable.

14.5. Environmental hazards Not applicable.

14.6. Special precautions for user Not applicable.

14.7. Maritime transport in bulk according to IMO instruments Not applicable.

UN Model Regulations

ADR/RID Not regulated.

IMDG Not regulated.

IATA Not regulated.

Further Information Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information

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

Regulatory Information In accordance with Regulation (EC) No. 1272/2008, the product does not need to be classified nor labelled.

Zeolite A (CAS 1318-02-1)	
EU - REACH (1907/2006) - List of Registered Substances	Present

15.2. Chemical safety assessment Not required.

SECTION 16: Other information

Revision Note This data sheet contains changes from the previous version in section(s): 2, 3.

Key or legend to abbreviations and acronyms CLP: Classification according to Regulation (EC) No. 1272/2008 (GHS)
EWC: European Waste catalogue code
PEL: Permissible Exposure Limit

Key literature references and sources for data	Sources of key data used to compile the Safety Data Sheet: REACH, ECHA.
Classification procedure	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
Full text of phrases referred to under sections 2 and 3	None.
Training advice	For further information, refer to the product technical data sheet.
Further information	Not relevant.
Disclaimer	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release 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 materials or in any process, unless specified in the text.