

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY**1.1 Product identifier**

Substance name: Calcium carbonate

Synonyms: Limestone, Calcite, Crushed Limestone, Fine calcium carbonate

Chemical name and formula: Calcium carbonate CaCO₃

Trade name: Limestone, Cresco Dos, Cresco Golf, Cresco Grov, Cresco GX, Cresco Mineral F, Cresco Mineral P, Cresco Normal, Cresco Normal Mg 4, Cresco Normal Kalsium, Cresco Sjö, Cresco Special Kalsium, Cresco Special Mg 8, Cresco Special Mg 8 2H, Cresco Special Mg 10, Cresco Vital Mg, Feed Calcite, Power Plant Calcite, Water Purification Foil, Water Purification Calcium, Water Plant Calcium, Moist Calcite, Powdered limestone, Soil Improvement Calcium, Cresco Balanced

1.2 Relevant identified uses of the substance or mixture and uses advised against**1.2.1 Uses of the substance**

Agriculture, soil improvement, flue gas purification, water purification, sea lumbering, building materials, paper and mass industry, steel industry and iron ore spills additives.

1.2.2 Uses advised against

None

1.3 Details of the supplier of the safety data sheet

	Finland	Norway	Sweden	Estonia
Name:	SMA Mineral Oy	SMA Mineral AS	SMA Mineral AB	SMA Mineral AS
Address:	Selleenkatu 281 95450 Tornio	Postbox 500 8601 Mo i Rana	Box 329 682 27 Filipstad	Männiku tee 123/1 Tallinn 11216
Phone number:	+358 40 712 2360	+47 75 13 6443	+46 590 164 00	+372 658 5960
E-mail of responsible of MSDS (All countries):	sds@smamineral.com			

1.4 Emergency telephone number

European Emergency No.:	112
Poison Information Centre, Estonia	+372 626 9390
Poison Information Centre, Finland	+358 9 4711
Poison Information Centre, Latvia	+37 1704 2468
Poison Information Centre, Norway	+ 47 2259 1300
Poison Information Centre, Sweden	+46 10 456 6700
Poison Information Centre, United Kingdom	+44 191 260 6182/+44 191 260 6180 (24H)

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture****2.1.1 Classification according to Regulation (EC) 1272/2008**

No classification

2.2 Label elements**2.2.1 Label elements according to Regulation (EC) 1272/2008**

No classification

2.3 Other hazards

No other hazards identified.

The substance does not meet the criteria for PBT or vPvB substance according to Regulation (EC) No 1907/2006, Annex XIII.

The substance not included in the Candidate List of substances of very high concern for Authorisation.

The substance is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**Main constituent: Calciumcarbonate

CAS number	EC number	REACH Registration No.	Identification name	Weight % content (or range)	Classification according to Regulation (EC) No 1272/2008 [CLP]
471-34-1	207-439-9		Calcium-carbonate	>75 %	

Hazardous impurities: No hazardous impurities

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**Following inhalation

Movement of the exposed individual from the area to fresh air is recommended. Seek medical attention if necessarily.

Following skin contact

Remove contaminated clothing. Wash skin with soap and water. Seek medical attention if irritation persists.

Following eye contact

Rinse with copious quantities of water and seek medical attention if irritation persists.

Following ingestion

Rinse mouth with water. Consult medical attention if symptoms continue or if the product is ingested in large quantities.

4.2 Most important symptoms and effects, both acute and delayed

No acute and delayed symptoms and effects are observed.

4.3 Indication of any immediate medical attention and special treatment needed

No specific actions are required.

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media****5.1.1 Suitable extinguishing media**

The product is not combustible. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Take note of other chemical extinguishing media types for selection.

5.1.2 Unsuitable extinguishing media

No restriction on the extinguishing media to be used.

5.2 Special hazards arising from the substance or mixture

Noncombustible, no hazardous thermal decomposition.

5.3 Advice for fire fighters

Avoid generation of dust. Use breathing apparatus. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures****6.1.1 For non-emergency personnel**

No special requirements.

6.1.2 For emergency responders

No special requirements.

6.2 Environmental precautions

No special requirements.

6.3 Methods and material for containment and cleaning up

No special requirements.

6.4 Reference to other sections

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling****7.1.1 Protective measures**

Avoid contact with skin and eyes. Wear protective equipment (refer to section 8 of this safety data sheet). Keep dust levels to a minimum. Minimize dust generation. Enclose dust sources, use exhaust ventilation (dust collector at handling points). Handling systems should preferably be enclosed.

7.1.2 Advice on general occupational hygiene

Avoid inhalation or ingestion and contact with skin and eyes. General occupational hygiene measures are required to ensure safe handling of the substance. These measures involve good personal and housekeeping practices (i.e. regular cleaning with suitable cleaning devices), no drinking, eating and smoking at the workplace. Shower and change clothes at end of work shift. Do not wear contaminated clothing at home.

7.2 Conditions for safe storage, including any incompatibilities

The substance should be stored under dry conditions. Any contact with air and moisture should be avoided. Bulk storage should be in purpose – designed silos.

7.3 Specific end use(s)

No special requirements.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

Occupational Exposure Limit (OEL), 8 h TWA: Inorganic dust 10 mg/m³

National OELS:

Finland (STM (538/2018)) 8h
Dust, inorganic 10 mg/m³

Sweden (AFS 2018:1):
Dust, inorganic Level limit value (NGV)
-inhalable dust 5 mg/m³
-respirable dust 2,5 mg/m³

8.2 Exposure controls

To control potential exposures, generation of dust should be avoided. Further, appropriate protective equipment is recommended. Avoid direct contact. Take care of good hygiene practice.

8.2.1 Appropriate engineering controls

If user operations generate dust, use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne dust levels below recommended exposure limits.

8.2.2 Individual protection measures, such as personal protective equipment**a. Eye/face protection**

For powders, tight fitting goggles with side shields, or wide vision full goggles.

b. Skin protection

Wear suitable protective clothing to protect against splatter and dirt.

c. Respiratory protection

A suitable particle filter mask type P3 is recommended, depending on the expected exposure levels.

d. Thermal hazards

The substance does not represent a thermal hazard, this special consideration is not required.

8.2.3 Environmental exposure controls

All ventilation systems should be filtered before discharge to atmosphere. Avoid releasing to the environment. Contain the spillage. Collect carefully as dry. Avoid formation and spreading of dust. Collect sealed container. Recycle if possible or dispose in accordance with waste regulations. Rinse area with water. Any large spillage into watercourses must be alerted to the regulatory authority responsible for environmental protection or other regulatory body.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

- | | |
|---|-----------------------------------|
| a) Physical state | solid |
| b) Colour | fair colour |
| c) Odour | odourless |
| d) Melting point/freezing point | not available |
| e) Boiling point or initial boiling point and boiling range | not available |
| f) Flammability | nonflammable (not combustible) |
| g) Lower and upper explosion limit | non explosive |
| h) Flash point | not applicable |
| i) Auto-ignition temperature | not applicable |
| j) Decomposition temperature | not applicable |
| k) pH | 7-9 |
| l) Kinematic viscosity | not applicable |
| m) Solubility | water soluble |
| n) Partition coefficient n-octanol/water (log value) | not available |
| o) Vapour pressure | not available |
| p) Density and/or relative density | 2-3 g/cm ³ |
| q) Relative vapour density | not available |
| r) Particle characteristics | varying sizes: granular or powder |

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Not applicable. No explosive or oxidizing properties.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Stable

10.2 Chemical stability

Under normal conditions of use and storage (dry conditions), calcium carbonate is stable.

10.3 Possibility of hazardous reactions

No hazardous reactions.

10.4 Conditions to avoid

Not relevant.

10.5 Incompatible materials

No particular incompatibility.

10.6 Hazardous decomposition products

Not relevant.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

a. Acute toxicity

Calcium carbonate is not acute toxicity.

b. Skin corrosion/irritation

Calcium carbonate is not irritating to skin.

c. Serious eye damage/irritation

Can irritate eyes. Not toxic.

d. Respiratory or skin sensitisation

Like a normal dust.

e. Germ cell mutagenicity

None.

f. Carcinogenicity

None.

g. Reproductive toxicity

None.

h. STOT-single exposure

Not classified.

i. STOT-repeated exposure

None.

j. Aspiration hazard

Calcium carbonate is not known to present an aspiration hazard.

Calcium oxide is not known to present an aspiration hazard.

11.2 Information on other hazards**11.2.1 Endocrine disrupting properties**

Available data for the substance have been considered against the criteria laid down in Regulations ((EC) No 1907/2006, (EU) 2017/2100, (EU) 2018/605) and found not to apply.

11.2.2 Other information

None

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

None

12.2 Persistence and degradability

Not relevant for inorganic substances.

12.3 Bioaccumulative potential

Not relevant for inorganic substances.

12.4 Mobility in soil

Not known.

12.5 Results of PBT and vPvB assessment

Not relevant for inorganic substances.

Not relevant for inorganic substances

12.6 Endocrine disrupting properties

Available data for the substance have been considered against the criteria laid down in Regulations ((EC) No 1907/2006, (EU) 2017/2100, (EU) 2018/605) and found not to apply.

12.7 Other adverse effects

No other adverse effects are identified

According to the criteria of the European classification and labelling system, the substance does not require classification as hazardous for the environment.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

No special requirements.

SECTION 14: TRANSPORT INFORMATION

Calcium carbonate is not classified as hazardous for transport (ADR (Road), RID (Rail), IMDG/GGVSea (Sea), ICAO/IATA)

14.1 UN number

Not relevant

14.2 UN proper shipping name

Calcium carbonate

14.3 Transport hazard class(es)

Not classified

14.4 Packing group

Not relevant.

14.5 Environmental hazards

Not relevant

14.6 Special precautions for user

None

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

Not regulated

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance**

Authorisation: Not required

Restrictions on use: None

Other EU regulations: Calcium carbonate is not a SEVESO substance, not ozone depleting substance and not a persistent organic pollutant.

National regulations: None

15.2 Chemical safety assessment

Exempted from REACH Registration in accordance with Annex V.7.

SECTION 16: OTHER INFORMATION

Data are based on our latest knowledge but do not constitute a guarantee for any specific product features and do not establish a legally valid contractual relationship.

16.1 Abbreviations

OEL: occupational exposure limit
PBT: persistent, bioaccumulative, toxic chemical
vPvB: very persistent, very bioaccumulative chemical

16.2 Key literature references

Safety Data sheet is based on Regulation (EC) 1907/2006 [Reach], article 31 and Annex 11, and accordance thereafter entered changes.

16.3 Revision

Version 3.0 EN, 2022-12-22

The SDS has been revised to comply with Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of REACH.

Section 2.3: information added

Section 9: updated according to Regulation (EU) 2020/878

Section 11.2: information added

Section 12.6: information added

Version 2.0 EN, March 2021

Reviewed; no changes.

Version 1.2 EN, September 2018

Updated styles, Changed header name to match websites and filename

Section 1: Changed header

Section 1.4: Removed emergency telephone at the company, Added poison information center numbers of Finland and Sweden, Norway and UK

Section 8: Translated Flammability to English

Version 1.1 EN, August 2017

Section 1.3: Removed fax number, updated phone number & email of competent person

Section 1.4: Removed emergency telephone at the company

Removed "End of the Safety Data Sheet", page style x/y informative enough

Updated header-style, and added reference to voluntarily built SDS

Disclaimer

This safety data sheet (SDS) is based on the legal provisions of the REACH Regulation (EC 1907/2006; article 31 and Annex II), as amended. Its contents are intended as a guide to the appropriate precautionary handling of the material. It is the responsibility of recipients of this SDS to ensure that the information contained therein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. Information and instructions provided in this SDS are based on the current state of scientific and technical knowledge at the date of issue indicated. It should not be construed as any guarantee of technical performance, suitability for particular applications, and does not establish a legally valid contractual relationship. This version of the SDS supersedes all previous versions.