

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

Substance name: Calciummagnesiumcarbonate

Synonyms Dolomite, Crushed Dolomite, Fine calciummagnesiumcarbonate

Chemical name and formula: Calcium magnesiumdicarbonate - $\text{CaMg}(\text{CO}_3)_2$

Trade name: Dolomite, Cresco Normal Mg 8, Cresco Normal Mg 10, Cresco Special, Asphalt Powder, Concrete Filler, Lappia Clear, Sandblast, Feeding Dolomite, Soil Improvement lime

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

Flue gas cleaning, agriculture, soil improvement, water purification, construction industry, civil engineering, water treatment, feeds industry, construction materials manufacturing, asphalt, concrete and mortar manufacturing.

1.2.2 Uses advised against

None

1.3 Details of the supplier of the safety data sheet

	Finland	Norway	Sweden	Estonia
Company 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 person responsible for SDS:	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 mixture****2.1.1 Classification according to Regulation (EC) 1272/2008**

No hazardous properties.

2.2 Label elements

None

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**

Not applicable.

3.2 Mixtures

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 %	
16389-88-1	240-440-2		Calcium-magnesium-carbonate	>53 %	

Hazardous impurities: No impurities relevant for classification and labelling.

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

Fresh air. 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

None

4.3 Indication of any immediate medical attention and special treatment needed

Follow the advises given in section 4.1

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

None

5.2 Special hazards arising from the substance or mixture

None

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

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 | gray/yellowish/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 | non flammable (not combustible) |
| g) Lower and upper explosion limit | non explosive |
| h) Flash point | not applicable |
| i) Auto-ignition temperature | not available |
| j) Decomposition temperature | not applicable |
| k) pH | water soluble 7-9 |
| l) Kinematic viscosity | not applicable |
| m) Solubility | not available |
| n) Partition coefficient n-octanol/water (log value) | not applicable |
| o) Vapour pressure | not applicable |
| p) Density and/or relative density | 2-3 g/cm ³ |
| q) Relative vapour density | not applicable |
| r) Particle characteristics | varying sizes: grain shape or powder |

9.2 Other information

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) dolomite 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

No decomposition products.

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.

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 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.

12.6 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 and dolomite are not classified as hazardous for transport (ADR (Road), RID (Rail), IMDG / GGVSea (Sea)).

14.1 UN number

Not relevant.

14.2 UN proper shipping name

Dolomite

14.3 Transport hazard class(es)

None

14.4 Packing group

None

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 magnesium carbonate is not a SEVESO substance, not ozone depleting substance and not a persistent organic pollutant.

National regulations:

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 REACH Regulation (1907/2006/EY; Article 31 and Annex II), and accordance thereafter entered changes.

16.3 RevisionVersion 2.0 EN, 22-12-2022

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 1.0 EN, september 2018

This is the first version of MSDS of dolomite in English based on Finnish MSDS.



PRODUCT SAFETY DATA SHEET for Dolomite

Prepared voluntarily in accordance with Regulation (EC) 1907/2006, Regulation EU 2020/878 and Regulation (EC) 1272/2008, as amended

Revision date: 22-12-2022

Version: 2.0/EN

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.