

SAFETY DATA SHEET

Nordkalk**Nordkalk Dolomite****Nordkalk**

The safety data sheet is in accordance with Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

SECTION 1: Identification of the substance / mixture and of the company / undertaking**Date issued** 27.09.2012**Revision date** 13.12.2022**1.1. Product identifier****Product name** Nordkalk Dolomite**IUPAC name** Calcium-magnesium carbonate - CaMg(CO₃)₂**REACH Reg. No., comments** The substance has been exempted from the obligation to register in accordance with Article 2(7)(b) and Annex V of REACH regulation.**CAS No.** 16389-88-1**EC No.** 240-440-2**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance / mixture** Construction industry; Manufacture of chemical products; Manufacture of basic metals, including alloys; Manufacture of other non-metallic mineral products (e.g. plasters, cement); Manufacture of stone, plaster, cement, glass and ceramic articles; Agriculture, forestry, fishery; Environmental protection; Water treatment chemicals; Flue gas treatment; Food/ feedstuff additives; Manufacture of food products; Pharmaceuticals; Mining, (including offshore industries); Paper articles; Manufacture of paints, varnishes and similar coatings, printing ink and mastics**Main intended use** PC-TEC-OTH Other products for chemical or technical processes**Industrial use** Yes**Professional use** Yes**Consumer use** No**1.3. Details of the supplier of the safety data sheet****Company name** Nordkalk AS**Postal address** Faehlmanni 11a**Postcode** 46301

City	Rakke, Lääne-Virumaa country
Country	Estonia
Telephone number	+372 326 0720, +372 523 9499
Email	sds@nordkalk.com
Website	www.nordkalk.com

1.4. Emergency telephone number

Emergency telephone	Telephone number: 112 Description: Emergency telephone number Open 24 hours a day.
	Telephone number: +372 7943 794 Description: Poison Information Centre (in Estonia), Open 24 hours a day.
Identification, comments	Please contact the Emergency Centre in your own country, e.g. 112 in European Union countries.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP classification, notes	In accordance with CLP/GHS regulation (EC) No 1272/2008, the product has not been classified as hazardous.
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2.2. Label elements

Other label information (CLP)	No labeling. In accordance with current regulations, this product has not been classified as hazardous.
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2.3. Other hazards

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

Substance	Identification	Classification	Contents	Notes
Dolomite	CAS No.: 16389-88-1 EC No.: 240-440-2	CLP classification, notes: Not classified.	30 - 100 %	
Calcium carbonate	CAS No.: 1317-65-3 EC No.: 215-279-6	CLP classification, notes: Not classified.	20 - 70 %	

Description of the mixture

Dolomite class I: Dolomite > 53 %, Calcium carbonate 20-30 %
 Dolomite class II: Dolomite 30-53 %, Calcium carbonate 25-70 %

Substance comments

The product does not contain ingredients classified as hazardous to health or the environment at concentrations exceeding the concentration limits for listing such ingredients.

SECTION 4: First aid measures**4.1. Description of first aid measures**

General	Fresh air. If the situation is unclear or symptoms persist, seek medical attention.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms persist or are severe.
Skin contact	Rinse skin with water/shower. Remove contaminated clothing and shoes. If skin irritation or rash occurs: Get medical advice/ attention.
Eye contact	Immediately flush eyes with plenty of water for several minutes, holding eyelids open. If eye irritation or other symptoms persist, seek medical attention.
Ingestion	Rinse mouth with water and then drink plenty of water. Do NOT induce vomiting. Get medical attention if symptoms persist or are severe.

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

Acute symptoms and effects	None known.
Delayed symptoms and effects	None known.

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

Other information	Treat symptomatically.
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SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media	Use an extinguishing agent suitable for the surrounding fire.
Improper extinguishing media	None known.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	The product is not flammable.
Hazardous combustion products	Harmful compounds may be evolved during fire. > 600 °C. Carbon dioxide. Above 600°C, dolomite decomposes to produce calcium-magnesium oxide and carbon dioxide. Calcium-magnesium oxide releases heat when in contact with water, with the risk to fire surrounding flammable substances.

5.3. Advice for firefighters

Personal protective equipment	Wear appropriate protective equipment and self-contained breathing apparatus.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Avoid generation and spreading of dust.
Personal protection measures	Wear appropriate personal protective equipment. Avoid breathing dust. Avoid contact with skin or eyes.

6.2. Environmental precautions

Environmental precautionary measures	No special measures required.
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6.3. Methods and material for containment and cleaning up

Clean up	Avoid generation and spreading of dust. Collect product with a vacuum cleaner or sweep it up, and store in a tightly sealed container for recovery or disposal. Wash surfaces with plenty of water.
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6.4. Reference to other sections

Other instructions	Safe handling: see point 7. Personal protective equipment: see point 8. Waste disposal: see point 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Ensure adequate ventilation. Avoid breathing dust. Avoid contact with skin, eyes, and clothing.
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Protective safety measures

Preventive measures to prevent aerosol and dust generation	Prevent formation of dust.
Advice on general occupational hygiene	Handle in accordance with good industrial hygiene and safety practices. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage	Store in a dry place. Store in a closed container.
Conditions to avoid	Protect from moisture. For incompatible materials see point 10.5.

Conditions for safe storage

Packaging compatibilities	Store in original package or container.
Requirements for storage rooms and vessels	Keep container tightly closed.

7.3. Specific end use(s)

Specific use(s) The use stated in section 1.2.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Calcium carbonate Dolomite		Country of origin: Estonia Limit value type: TWA Limit value (8 h) : 10 mg/m ³ Particle fraction: Inhalable Country of origin: Estonia Limit value type: TWA Limit value (8 h) : 5 mg/m ³ Particle fraction: Respirable	

DNEL / PNEC

Substance	Identification	DNEL
	Dolomite	<p>Group: Professional Route of exposure: Long-term inhalation (local) Value: 4,26 mg/m³</p> <p>Group: Professional Route of exposure: Long-term inhalation (systemic) Value: 10 mg/m³</p> <p>Group: Consumer Route of exposure: Long-term inhalation (local) Value: 1,06 mg/m³</p> <p>Group: Consumer Route of exposure: Long-term inhalation (systemic) Value: 10 mg/m³</p>
	Calcium carbonate	<p>Group: Professional Route of exposure: Long-term inhalation (local) Value: 4,26 mg/m³</p> <p>Group: Professional Route of exposure: Long-term inhalation (systemic) Value: 10 mg/m³</p> <p>Group: Consumer Route of exposure: Long-term inhalation (local) Value: 1,06 mg/m³</p> <p>Group: Consumer Route of exposure: Long-term inhalation (systemic)</p>

	Value: 10 mg/m ³
PNEC	Route of exposure: Sewage treatment plant STP
	Value: 100 mg/l
	Comments: NOEC; AF=10

8.2. Exposure controls

Precautionary measures to prevent exposure

Technical measures to prevent exposure	Handle the product in closed systems or provide sufficient ventilation. Observe occupational exposure limits and minimise the risk of inhalation of dust.
Eye / face protection	
Suitable eye protection	Use tight-fitting safety goggles.
Hand protection	
Suitable gloves type	Use appropriate chemical-resistant, impervious gloves
Suitable materials	PVC. Natural rubber. Neoprene.
Skin protection	
Suitable protective clothing	Wear appropriate protective clothing.
Respiratory protection	
Respiratory protection necessary at	If it is not possible to reduce exposure levels to below exposure limit values by ventilation or if dust forms, use appropriate respirator
Recommended type of equipment	Particle filter mask. FFP2, FFP3 (EN 149).
Thermal hazards	
Thermal hazards	Not relevant.
Appropriate environmental exposure control	
Environmental exposure controls	Prevent entry into sewers or the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid. Powder. Granular.
Colour	White. Beige. Light brown. Grey.
Odour	Odourless or mild odor.
Odour limit	Comments: Unknown.
pH	Status:In aqueous solution Value:7-9 Value: > 600 °C
Melting point / melting range	Comments: Not applicable.
Boiling point / boiling range	Comments: Not applicable.
Flash point	Comments: Not applicable.
Flammability	Not flammable.
Explosion limit	Comments: Not applicable.
Vapour pressure	Comments: Not applicable.
Vapour density	Comments: Not applicable.
Particle characteristics	Comments: Not determined.
Density	Value: 2,75 - 2,90 g/cm ³ Temperature: 20 °C
Solubility	Medium: Water Value: 28 - 120 mg/l Temperature:20°C
Partition coefficient: n-octanol/ water	Comments: Not applicable.
Auto-ignition temperature	Method: UN N.4 Comments: Not self-igniting.
Decomposition temperature	Value: > 450 °C Comments: Calcium carbonate Value: > 600 °C Comments: Dolomite
Viscosity	Comments: Not applicable.

9.2. Other information

9.2.2. Other safety characteristics

Comments None reported.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Not reactive under normal use and storage conditions.

10.2. Chemical stability

Stability Chemically stable under normal storage conditions. Decomposes at temperature higher than 600°C to form calcium-magnesium oxide.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Reacts with acids to form carbon dioxide which displaces the oxygen in the air in closed spaces.

10.4. Conditions to avoid

Conditions to avoid Strong heating.

10.5. Incompatible materials

Materials to avoid Acids.

10.6. Hazardous decomposition products

Hazardous decomposition products In a fire or if overheated, harmful compounds may be formed (carbon dioxide, carbon monoxide). Reacts with acids to form carbon dioxide which displaces the oxygen in the air in closed spaces.

SECTION 11: Toxicological information

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

Substance	Dolomite
Acute toxicity	<p>Effect tested: LD50 Route of exposure: Oral Method: OECD 425 Value: >2000 mg/kg bw Animal test species: Rat</p>
Substance	Calcium carbonate
Acute toxicity	<p>Effect tested: LD50 Route of exposure: Oral Method: OECD 420 Value: > 2000 mg/kg bw Animal test species: Rat</p> <p>Effect tested: LD50 Route of exposure: Dermal Method: OECD 402 Value: > 2000 mg/kg bw Animal test species: Rat</p> <p>Effect tested: LC50 Route of exposure: Inhalation.</p>

	Method: OECD 403 Duration: 4 hour(s) Value: > 3 mg/l Animal test species: Rat
Other toxicological data	The product is not classified as acutely toxic.
Other information regarding health hazards	
Substance	Dolomite
Skin corrosion / irritation test result	Evaluation result: Not irritating.
Substance	Calcium carbonate
Skin corrosion / irritation test result	Method: In vivo OECD 404 Species: Rabbit Evaluation result: Not irritating.
Assessment of skin corrosion / irritation, classification	The product is not classified as irritant or corrosive to skin.
Substance	Dolomite
Eye damage or irritation, test results	Evaluation result: Not irritating.
Substance	Calcium carbonate
Eye damage or irritation, test results	Method: In vivo OECD 405 Species: Rabbit Evaluation result: Not irritating.
Assessment of eye damage or irritation, classification	The product is not classified as damaging or irritating to eyes.
Substance	Dolomite
Respiratory or skin sensitisation	Evaluation result: Not sensitizing
Substance	Calcium carbonate
Respiratory or skin sensitisation	Method: OECD 429 Species: Mouse Evaluation result: Not sensitizing
Sensitisation	The product is not classified as a respiratory or skin sensitiser.
Mutagenicity	The product is not classified as a mutagen. In vitro OECD 471, OECD 473, OECD 476.
Carcinogenicity, other information	The product is not classified as a carcinogen.
Reproductive toxicity	The product is not classified as toxic to reproduction. Calcium carbonate: NOEL: 1000 mg/kg bw/d (OECD 422). Dolomite: NOAEL: 1500 mg/kg bw/d (similar to OECD TG 414).
Assessment of specific target organ toxicity - single exposure, classification	The product is not classified as toxic to specific target organs at a single exposure.
Specific target organ toxicity - repeated exposure, test results	Method: OECD 422 Route of exposure: Oral Species: Rat Comments: Calcium carbonate: NOAEL: 1000 mg/kg bw/d
	Method: OECD 413 Route of exposure: Inhalation. Species: Rat Comments: Calcium carbonate: NOAEC: 0,212 mg/l
Assessment of specific target organ toxicity - repeated exposure, classification	The product is not classified as toxic to specific target organs at repeated exposure.
Assessment of aspiration hazard,	The product is not classified as an aspiration hazard

classification

11.2 Information on other hazards

Endocrine disruption

No endocrine disrupting properties known.

SECTION 12: Ecological information**12.1. Toxicity**

Substance	Dolomite
Aquatic toxicity, fish	Comments: Acute toxicity is greater than the highest concentration tested and therefore exceeds the maximum solubility of the product in water.
Substance	Calcium carbonate
Aquatic toxicity, fish	Effect dose concentration: LC50 Test duration: 96 hour(s) Species: Oncorhynchus mykiss Method: OECD 203 Evaluation: >100% v/v saturated solution of test material - Exceeds maximum solubility of substance. Comments: Acute toxicity is greater than the highest concentration tested and therefore exceeds the maximum solubility of the product in water.
Substance	Dolomite
Aquatic toxicity, algae	Value: > 100 mg/l Effect dose concentration: EC50 Test duration: 72 hour(s) Species: freshwater algae
Substance	Calcium carbonate
Aquatic toxicity, algae	Value: > 14 mg/l Test duration: 72 hour(s) Species: Desmodesmus subspicatus Method: OECD 201 Comments: EC50 / EC20 / EC10 / NOEC
Substance	Dolomite
Aquatic toxicity, crustacean	Value: > 100 mg/l Effect dose concentration: EC50 Test duration: 48 hour(s) Species: Daphnia magna Method: OECD 202 Value: 81,6 mg/l Effect dose concentration: EC50 Test duration: 96 hour(s) Species: Cancer magister (syn. Metacarcinus magister) Value: 24,8 mg/l Effect dose concentration: EC50

	Test duration: 96 hour(s) Species: Pandalus danae
	Value: > 500 mg/l Effect dose concentration: LC50 Test duration: 24 hour(s) Species: Ceriodaphnia dubia Hexagenia limbata
Substance Aquatic toxicity, crustacean	Calcium carbonate Effect dose concentration: EC50 Test duration: 48 hour(s) Species: Daphnia magna Method: OECD 202 Evaluation: >100% v/v saturated solution of test material - Exceeds maximum solubility of substance. Comments: Acute toxicity is greater than the highest concentration tested and therefore exceeds the maximum solubility of the product in water.
Substance Toxicity to earthworm	Calcium carbonate Value: > 1000 mg/kg Effect dose concentration: EC50 Test duration: 14 day(s) Species: Eisenia fetida Method: OECD 207 Comments: NOEC: 1000 mg/kg
Substance Toxicity to soil microorganisms	Calcium carbonate Value: > 1000 mg/kg Effect dose concentration: EC50 Test duration: 28 day(s) Species: microorganisms Method: OECD 216 Comments: NOEC: 1000 mg/kg
Substance Plant toxicity	Calcium carbonate Value: > 1000 mg/kg Effect dose concentration: EC50 Test duration: 21 day(s) Species: Glycine max Lycopersicon esculentum Avena sativa Method: OECD 208 Comments: NOEC: 1000 mg/kg
Substance Impact on sewage treatment	Calcium carbonate Value: > 1000 mg/l Effect dose concentration: EC50 Test duration: 3 hour(s) Species: Activated sludge Method: OECD 209 Comments: NOEC: 1000 mg/l
Ecotoxicity	The product is not classified as hazardous to the environment.

12.2. Persistence and degradability

Persistence and degradability description/evaluation Not relevant for inorganic substances.

12.3. Bioaccumulative potential

Bioaccumulation, evaluation The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility Not considered mobile.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment Not classified as PBT/vPvB by current EU criteria.

12.6. Endocrine disrupting properties

Endocrine disrupting properties No endocrine disrupting properties known.

12.7. Other adverse effects

Additional ecological information The product is not classified as hazardous to the environment. Avoid release to the environment

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Appropriate methods of disposal for the chemical Avoid release to the environment.

Appropriate methods of disposal for the contaminated packaging After usage, empty the packing completely. Uncleaned empty containers are to be handled in the same way as the ones containing products. Dispose of empty containers to an approved waste disposal facility for recycling or disposal.

Other information Dispose of in compliance with local and national regulations.

SECTION 14: Transport information

Dangerous goods No

14.1. UN number

Comments The product is not classified for transportation.

14.2. UN proper shipping name**14.3. Transport hazard class(es)****14.4. Packing group****14.5. Environmental hazards**

IMDG Marine pollutant No.

Comments The product is not classified as hazardous to the environment.

14.6. Special precautions for user

Special safety precautions for user Avoid any release of dust during transportation, by using air-tight tanks for powders and covered trucks for pebbles.

14.7. Maritime transport in bulk according to IMO instruments

Transport in bulk (yes/no) No

SECTION 15: Regulatory information

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

Legislation and regulations No specific regulations.

15.2. Chemical safety assessment

Chemical safety assessment performed No

Chemical safety assessment The product is exempted from REACH registration and thus no formal chemical safety assessment has been carried out for this substance by the supplier. Data from registration dossiers for similar substance are disseminated on ECHA website (www.echa.europa.eu).
Calcium carbonate (precipitated)
Magnesium carbonate

SECTION 16: Other information

Training advice Read safety data sheet.

Key literature references and sources for data Previous version of the SDS (5.3.2021)

Regulation No. 105 of the Government of the Republic of Estonia „Ohtlike kemikaalide ja neid sisaldavate materjalide kasutamise töötervishoiu ja tööohutuse nõuded ning töökeskkonna keemiliste ohutegurite piirnormid“

Abbreviations and acronyms used AF: Assessment factor
DNEL: Derived No-Effect Level
EC50: Effective concentration: concentration which kills or immobilises 50 % of exposed organisms
LC50: Lethal concentration 50 % (median lethal concentration): concentration which kills 50 % of exposed organisms
LD50: Lethal dose 50 % (median lethal dose): dose which kills 50 % of exposed organisms
NOAEL: No Observed Adverse Effect Level: loading rate at which no adverse

	effects are observed
	NOEC: No Observed Effect Concentration: concentration at which no effects are Observed
	OEL: Occupational exposure limit
	PBT: Persistent, Bioaccumulative and Toxic substance.
	PNEC: Predicted No-Effect Concentration
	STEL: Short-term exposure limit.
	TWA: Time-weighted average
	vPvB: very Persistent and very Bioaccumulative substance
Information added, deleted or revised	4.3.2019: Safety data sheet revised. The following sections have been updated: 1.3 Contact information 04.08.2020: Safety Data Sheet updated - Calcium Carbonate CAS number changed 05.03.2021: Safety Data Sheet updated - Section 8.2 13.12.2022: Update according to Annex II of the REACH Regulation ([EU] 2020/878). Changes to sections: 1.2, 2.3, 4.1, 6.1, 6.3, 7.1, 7.3, 8.1, 8.2, 9.1, 9.2.2, 10.1, 10.2, 10.3, 11.1, 11.2, 12.1, 12.2, 12.3, 12.4, 12.6, 12.7, 13.1, 14, 14.5, 14.6, 14.7, 16
Last update date	13.12.2022
Version	4
Prepared by	Sweco Industry Oy
Comments	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.