SAFETY DATA SHEET

Nordkalk

Wollastonite: Nordkalk W-series, Nordkalk W, Nordkalk Wicroll, Nordkalk NorWoll

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	31.03.2015
Revision date	4.5.2026

1.1. Product identifier

Product name	Wollastonite: Nordkalk W-series, Nordkalk W, Nordkalk Wicroll, Nordkalk NorWoll
Synonyms	Calcium Silicate
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.	13983-17-0
EC No.	237-772-5

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

Use of the substance / mixture	Primary uses for wollastonite powder (non-exhaustive list): glazes, ceramic frames, fillers for paints and plastics, welding rods, metallurgical powders, cement fiber boards, calcium silicate blocks and bricks, low temperature refractories, reinforcing filler for plastics and sealants, reinforcing filler for road marking paints, brake linings and gaskets.
Main intended use	PC-TEC-OTH Other products for chemical or technical processes

1.3. Details of the supplier of the safety data sheet

Company name	Nordkalk Oy Ab
Postal address	Skräbbölevägen 18
Postcode	FI-21600
City	Pargas

Country	Finland
Telephone number	+358 20 753 7000
Email	sds@nordkalk.com
Website	www.nordkalk.com

1.4. Emergency telephone number

Emergency telephone	Telephone number: 112 Description: Emergency telephone number (in Finland) Open 24 hours a day. Telephone number: +358 800 147 111 or +358 9 471 977 Description: Poison Information Centre (in Finland), P.O. Box 790 (Tukholmankatu 17), 00029 HUS 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.

2.2. Label elements

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

2.3. Other hazards

PBT / vPvB	For results of PBT and vPvB assessment, see point 12.5.
Health effect	Depending on the type of handling and use (e.g. grinding, drying), airborne respirable crystalline silica (quartz - cristobalite) may be generated. Prolonged and/or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness.
Other hazards	Endocrine disrupting properties: None reported.

SECTION 3: Composition / information on ingredients

3.1. Substances

Substance	Identification	Classification	Contents	Notes
Wollastonite	CAS No.: 13983-17-0 EC No.: 237-772-5	CLP classification, notes: Not classified.	> 87 %	

Quartz (fine fraction)	CAS No.: 14808-60-7 EC No.: 238-878-4	STOT RE 1; H372	< 1 %

Description of the mixture The product contains < 1 % quartz, crystalline silica (fine fraction) as an impurity (CAS no.:14808-60-7).

Substance comments The full text for all hazard statements are displayed in point 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General 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 occur.

Skin contact No need for first aid.

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 No need for first aid. Rinse the mouth and give 1-2 glasses of water to drink. Get medical attention if symptoms occur.

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

Acute symptoms and effects None known.

Delayed symptoms and effects Prolonged and/or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness.

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

Other information Treat symptomatically.

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 No hazardous combustion products known.

5.3. Advice for firefighters

Personal protective equipment Wear appropriate protective equipment and self-contained breathing apparatus.

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.

6.2. Environmental precautions

Environmental precautionary measures	No special measures required.

6.3. Methods and material for containment and cleaning up

Clean up	Avoid generation and spreading of dust. Avoid dry sweeping and use water spraying or vacuum cleaning systems. Pick up and collect in a suitable container for disposal.

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Ensure adequate ventilation (use local exhaust ventilation if necessary). Avoid breathing dust. Use appropriate personal protective equipment while handling the product (see point 8). Handle with care, avoid spills and leaks.

Protective safety measures

Preventitive 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 before breaks and at the end of workday. Take off contaminated clothing and wash before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage	Minimise airborne dust generation and prevent wind dispersal during loading and unloading.
Conditions to avoid	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 containers tightly closed. Store packaged products so as to prevent

accidental bursting.

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
Quartz	CAS No.: 14808-60-7	Country of origin: Finland Limit value (8 h) : 0,05 mg/m³ Comments: Respirable dust Country of origin: United Kingdom Limit value (8 h) : 0,1 mg/m³ Comments: Silica, respirable crystalline	
Dust		Country of origin: United Kingdom Limit value type: TWA Limit value (8 h) : 4 mg/m³ Particle fraction: Respirable Country of origin: United Kingdom Limit value type: TWA Limit value (8 h) : 10 mg/m³ Particle fraction: Inhalable	

Control parameters comments DNEL/PNEC: Chemical safety assessment has not been performed for the product, no information available about ingredients.

8.2. Exposure controls

Precautionary measures to prevent exposure

Appropriate engineering controls Observe occupational exposure limits and minimize the risk of inhalation.

Organisational measures to prevent exposure Apply organisational measures, e.g. by isolating personnel from dusty areas.

Technical measures to prevent exposure Ensure adequate ventilation. Use local exhaust ventilation if necessary.

Eye / face protection

Suitable eye protection Use tight-fitting safety goggles.

Hand protection

Suitable gloves type	Under normal conditions not required. Workers who suffer from dermatitis / sensitive skin: Use appropriate chemical-resistant, impervious gloves.
Suitable materials	Contact glove manufacturer for specific advice on glove selection.
Additional hand protection measures	If necessary: Apply barrier cream before handling the product.

Skin protection

Suitable protective clothing	Under normal conditions not required. Workers who suffer from dermatitis / sensitive skin: 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)

Appropriate environmental exposure control

Environmental exposure controls	Avoid wind dispersal.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid. Powder.
Colour	White.
Odour	Odourless.
Odour limit	Comments: Not relevant.
pH	Value: 9,5 Temperature: 20 °C Concentration: 400 mg/l
Melting point / melting range	Value: > 1400 °C
Boiling point / boiling range	Comments: Not determined.
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: Grain shape: acicular.
Density	Value: 2,85 g/cm³
Solubility	Medium: Water Value: ~ 0,2 g/l

	Method: ISO 787/8 Name: Hydrofluoric acid Comments: Soluble.
Partition coefficient: n-octanol/ water	Comments: Not applicable.
Auto-ignition temperature	Comments: Not applicable.
Decomposition temperature	Comments: Not determined.
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.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No dangerous reactions under normal use and storage conditions.

10.4. Conditions to avoid

Conditions to avoid	None known.

10.5. Incompatible materials

Materials to avoid	No known incompatible materials.

10.6. Hazardous decomposition products

Hazardous decomposition products	No hazardous decomposition products known.

SECTION 11: Toxicological information

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

Other toxicological data	The product is not classified as acutely toxic.

Other information regarding health hazards

Assessment of skin corrosion / irritation, classification	The product is not classified as irritant or corrosive to skin.
Assessment of eye damage or irritation, classification	The product is not classified as damaging or irritating to eyes.
Sensitisation	The product is not classified as a respiratory or skin sensitiser.
Mutagenicity	The product is not classified as a mutagen.
Carcinogenicity, other information	The product is not classified as a carcinogen. (IARC Int. Agency for Cancer Research.)
Reproductive toxicity	The product is not classified as toxic to reproduction.
Assessment of specific target organ toxicity - single exposure, classification	The product is not classified as toxic to specific target organs at a single exposure.
Assessment of specific target organ toxicity - repeated exposure, classification	The product is not classified as toxic to specific target organs at repeated exposure. However, prolonged and/or massive exposure to respirable crystalline silica-containing dust may cause silicosis, a nodular pulmonary fibrosis caused by deposition in the lungs of fine respirable particles of crystalline silica.
Assessment of aspiration hazard, classification	The product is not classified as an aspiration hazard.

11.2 Other information

Endocrine disruption	Ingredients: no endocrine disrupting properties reported.
Other information	No other health effects reported.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	There is no ecotoxicological data available about the product as such.

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

Bioaccumulation, evaluation	Not relevant for inorganic substances.

12.4. Mobility in soil

Mobility	Mobility in the soil is low.

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 Ingredients: no endocrine disrupting properties reported.

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 dust formation from residues in packaging. Dispose of empty containers to an approved waste disposal facility for recycling or disposal.

Appropriate methods of disposal for the contaminated packaging Used packages must be stored in closed containers. Do not reuse containers.

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

SECTION 14: Transport information

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

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

14.6. Special precautions for user

Special safety precautions for user No special safety precautions.

14.7. Maritime transport in bulk according to IMO instruments

ICAO/IATA Other information

Other transport, general No data recorded.

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.

SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	H372 Causes damage to organs through prolonged or repeated exposure
Training advice	Read safety data sheet. Workers must be informed of the presence of crystalline silica. Training in the proper use and handling of this product must be provided to workers.
Key literature references and sources for data	Previous version of the SDS 28.02.2019 Decree on Concentrations known to be Hazardous 654/2020 (HTP-arvot 2020), Finland EH40/2005 Workplace exposure limits (4th ed, 2020)
Abbreviations and acronyms used	DNEL: Derived No-Effect Level HTP: Concentrations known to be Hazardous. PNEC: Predicted No-Effect Concentration
Information added, deleted or revised	28.2.2019: Safety data sheet revised. 18.11.2022: Update according to Annex II of the REACH Regulation ([EU] 2020/878). 4.5.2026: Safety data sheet revised.
Version	2
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.