

## 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 18.11.2022

**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

<b>Country</b>	Finland
<b>Telephone number</b>	+358 20 753 7000
<b>Email</b>	<a href="mailto:sds@nordkalk.com">sds@nordkalk.com</a>
<b>Website</b>	<a href="http://www.nordkalk.com">www.nordkalk.com</a>

## 1.4. Emergency telephone number

<b>Emergency telephone</b>	<p>Telephone number: 112 Description: Emergency telephone number (in Finland) Open 24 hours a day.</p> <p>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.</p>
<b>Identification, comments</b>	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

<b>CLP classification, notes</b>	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

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

<b>PBT / vPvB</b>	For results of PBT and vPvB assessment, see point 12.5.
<b>Health effect</b>	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.
<b>Other hazards</b>	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 %
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<b>Description of the mixture</b>	The product contains < 1 % quartz, crystalline silica (fine fraction) as an impurity (CAS no.:14808-60-7).
<b>Substance comments</b>	The full text for all hazard statements are displayed in point 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General</b>	If the situation is unclear or symptoms persist, seek medical attention.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
<b>Skin contact</b>	No need for first aid.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for several minutes, holding eyelids open. If eye irritation or other symptoms persist, seek medical attention.
<b>Ingestion</b>	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

<b>Acute symptoms and effects</b>	None known.
<b>Delayed symptoms and effects</b>	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

<b>Other information</b>	Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Use an extinguishing agent suitable for the surrounding fire.
<b>Improper extinguishing media</b>	None known.

### 5.2. Special hazards arising from the substance or mixture

<b>Fire and explosion hazards</b>	The product is not flammable.
<b>Hazardous combustion products</b>	No hazardous combustion products known.

### 5.3. Advice for firefighters

<b>Personal protective equipment</b>	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

<b>General measures</b>	Avoid generation and spreading of dust.
<b>Personal protection measures</b>	Wear appropriate personal protective equipment. Avoid breathing dust.

### 6.2. Environmental precautions

<b>Environmental precautionary measures</b>	No special measures required.
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### 6.3. Methods and material for containment and cleaning up

<b>Clean up</b>	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.
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### 6.4. Reference to other sections

<b>Other instructions</b>	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

<b>Handling</b>	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.
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### Protective safety measures

<b>Preventive measures to prevent aerosol and dust generation</b>	Prevent formation of dust.
<b>Advice on general occupational hygiene</b>	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

<b>Storage</b>	Minimise airborne dust generation and prevent wind dispersal during loading and unloading.
<b>Conditions to avoid</b>	For incompatible materials see point 10.5.

### Conditions for safe storage

<b>Packaging compatibilities</b>	Store in original package or container.
<b>Requirements for storage rooms and vessels</b>	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/ m <sup>3</sup> Comments: Respirable dust Country of origin: United Kingdom Limit value (8 h) : 0,1 mg/ m <sup>3</sup> Comments: Silica, respirable crystalline	
Dust		Country of origin: United Kingdom Limit value type: TWA Limit value (8 h) : 4 mg/m <sup>3</sup> Particle fraction: Respirable Country of origin: United Kingdom Limit value type: TWA Limit value (8 h) : 10 mg/m <sup>3</sup> Particle fraction: Inhalable	
<b>Control parameters comments</b>	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

<b>Appropriate engineering controls</b>	Observe occupational exposure limits and minimize the risk of inhalation.
<b>Organisational measures to prevent exposure</b>	Apply organisational measures, e.g. by isolating personnel from dusty areas.
<b>Technical measures to prevent exposure</b>	Ensure adequate ventilation. Use local exhaust ventilation if necessary.

#### Eye / face protection

<b>Suitable eye protection</b>	Use tight-fitting safety goggles.
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**Hand protection**

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

**Skin protection**

<b>Suitable protective clothing</b>	Under normal conditions not required. Workers who suffer from dermatitis / sensitive skin: Wear appropriate protective clothing.
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**Respiratory protection**

<b>Respiratory protection necessary at</b>	If it is not possible to reduce exposure levels to below exposure limit values by ventilation or if dust forms, use appropriate respirator.
<b>Recommended type of equipment</b>	Particle filter mask. FFP2 - FFP3 (EN 149)

**Appropriate environmental exposure control**

<b>Environmental exposure controls</b>	Avoid wind dispersal.
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**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	Solid. Powder.
<b>Colour</b>	White.
<b>Odour</b>	Odourless.
<b>Odour limit</b>	Comments: Not relevant.
<b>pH</b>	Value: 9,5 Temperature: 20 °C Concentration: 400 mg/l
<b>Melting point / melting range</b>	Value: > 1400 °C
<b>Boiling point / boiling range</b>	Comments: Not determined.
<b>Flash point</b>	Comments: Not applicable.
<b>Flammability</b>	Not flammable.
<b>Explosion limit</b>	Comments: Not applicable.
<b>Vapour pressure</b>	Comments: Not applicable.
<b>Vapour density</b>	Comments: Not applicable.
<b>Particle characteristics</b>	Comments: Grain shape: acicular.
<b>Density</b>	Value: 2,85 g/cm <sup>3</sup>
<b>Solubility</b>	Medium: Water Value: ~ 0,2 g/l

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

## 9.2. Other information

### 9.2.2. Other safety characteristics

Comments	None reported.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	Not reactive under normal use and storage conditions.
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### 10.2. Chemical stability

Stability	Chemically stable under normal storage conditions.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No dangerous reactions under normal use and storage conditions.
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### 10.4. Conditions to avoid

Conditions to avoid	None known.
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### 10.5. Incompatible materials

Materials to avoid	No known incompatible materials.
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### 10.6. Hazardous decomposition products

Hazardous decomposition products	No hazardous decomposition products known.
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## 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.
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### Other information regarding health hazards

<b>Assessment of skin corrosion / irritation, classification</b>	The product is not classified as irritant or corrosive to skin.
<b>Assessment of eye damage or irritation, classification</b>	The product is not classified as damaging or irritating to eyes.
<b>Sensitisation</b>	The product is not classified as a respiratory or skin sensitiser.
<b>Mutagenicity</b>	The product is not classified as a mutagen.
<b>Carcinogenicity, other information</b>	The product is not classified as a carcinogen. ( IARC Int. Agency for Cancer Research. )
<b>Reproductive toxicity</b>	The product is not classified as toxic to reproduction.
<b>Assessment of specific target organ toxicity - single exposure, classification</b>	The product is not classified as toxic to specific target organs at a single exposure.
<b>Assessment of specific target organ toxicity - repeated exposure, classification</b>	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.
<b>Assessment of aspiration hazard, classification</b>	The product is not classified as an aspiration hazard.

## 11.2 Other information

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

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>Ecotoxicity</b>	There is no ecotoxicological data available about the product as such.
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### 12.2. Persistence and degradability

<b>Persistence and degradability description/evaluation</b>	Not relevant for inorganic substances.
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### 12.3. Bioaccumulative potential

<b>Bioaccumulation, evaluation</b>	Not relevant for inorganic substances.
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### 12.4. Mobility in soil

<b>Mobility</b>	Mobility in the soil is low.
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### 12.5. Results of PBT and vPvB assessment

<b>Results of PBT and vPvB assessment</b>	Not classified as PBT/vPvB by current EU criteria.
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### 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).

**Version** 1

**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.