

## SAFETY DATA SHEET



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

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 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	13.11.2011
Revision date	27.02.2019

### 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 categories nordic (UCN).	55 Others
Use of the substance / preparation	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.

### 1.3. Details of the supplier of the safety data sheet

Company name	Nordkalk Oy Ab
Office address	Skräbbölevägen 18
Postcode	21600
City	Pargas
Country	Finland
Telephone number	+358 20 753 7000
Email	<a href="mailto:sds@nordkalk.com">sds@nordkalk.com</a>

Website [www.nordkalk.com](http://www.nordkalk.com)

## 1.4. Emergency telephone number

Emergency telephone	<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>
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	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	None reported.

## SECTION 3: Composition / information on ingredients

### 3.1. Substances

Substance	Identification	Classification	Contents
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	STOTRE 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 special first aid measures needed.
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.

#### 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.
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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	No hazardous combustion products known.

#### 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.

#### 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. Avoid dry sweeping and use water
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spraying or vacuum cleaning systems.

## 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. Avoid contact with skin, eyes, and clothing. Use appropriate personal protective equipment while handling the product (see point 8). Handle with care, avoid spills and leaks.

### 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 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 to prevent accidental bursting.

### 7.3. Specific end use(s)

#### Specific use(s)

None reported.

## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

Substance	Identification	Value	TWA Year
Quartz (fine fraction)	CAS No.: 14808-60-7	Country of origin: United Kingdom Limit value type: OEL TWA (8h): 0,1 mg/m <sup>3</sup> Comments: Silica, respirable crystalline	TWA Year: 2014
Respirable dust		Country of origin: United Kingdom	TWA Year: 2014

	Kingdom Limit value type: OEL TWA (8 h): 4 mg/m <sup>3</sup>
Other Information about threshold limit values	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 minimise the risk of inhalation of dust.
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.
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### 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.
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### 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. FP2 - FP3 (EN143: 2000)

### Appropriate environmental exposure control

Environmental exposure controls	Avoid wind dispersal.
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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	Solid. Powder. Grain shape: acicular.
Colour	White.
Odour	Odourless.
Odour limit	Comments: Unknown.

pH	Value: 9,5 Temperature: 20 °C Concentration: 400 g/l
Melting point/melting range	Value: > 1400 °C
Boiling point /boiling range	Comments: Unknown.
Flash point	Comments: Unknown.
Evaporation rate	Comments: Unknown.
Flammability (solid, gas)	Not flammable.
Explosion limit	Comments: Unknown.
Vapour pressure	Comments: Not applicable.
Vapour density	Comments: Not applicable.
Density	Value: 2,85 g/cm <sup>3</sup> Temperature: 20 °C
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.
Spontaneous combustability	Comments: Unknown.
Decomposition temperature	Comments: Unknown.
Viscosity	Comments: Not applicable.
Explosive properties	Not classified as explosive.
Oxidising properties	Not classified as oxidising.

## 9.2. Other information

### Other physical and chemical properties

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 toxicological effects

Other toxicological data	The product is not classified as acutely toxic.
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### 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 SE, classification	The product is not classified as toxic to specific target organs at a single exposure.
Assessment of specific target organ toxicity RE, 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.

### Symptoms of exposure

Other information	No other health effects reported.
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## SECTION 12: Ecological information

### 12.1. Toxicity

Aquatic, comments	There is no ecotoxicological data available about the product as such.
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### 12.2. Persistence and degradability

Persistence and degradability, comments	Not relevant for inorganic substances.
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### 12.3. Bioaccumulative potential

Bioaccumulative potential	Not relevant for inorganic substances.
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### 12.4. Mobility in soil

Mobility	Mobility in the soil is low.
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### 12.5. Results of PBT and vPvB assessment

PBT assessment results	Not Classified as PBT/vPvB by current EU criteria.
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### 12.6. Other adverse effects

Environmental details, summation	The product is not classified as hazardous to the environment. Avoid release to the environment.
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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Specify the appropriate methods of disposal	Avoid dust formation from residues in packaging. Store used packaging in enclosed receptacles. Do not reuse container. Dispose of empty containers to an approved waste disposal facility for recycling or disposal.
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Other information	Dispose of in compliance with local and national regulations.
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## SECTION 14: Transport information

### 14.1. UN number

Comments	The product is not classified for transportation.
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### 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.
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### 14.6. Special precautions for user

Special safety precautions for user	No special safety precautions.
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### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

## 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 SDS by product manufacturer (01/2014) Workplace Exposure Limits (WEL), Health & Safety Executive (2014)
Abbreviations and acronyms used	DNEL: Derived No-Effect Level OEL: Occupational exposure limit PNEC: Predicted No-Effect Concentration STEL: Short-term exposure limit. TWA: Time-weighted average
Information added, deleted or revised	27.2.2019: Safety data sheet revised.
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.