

**Nordkalk****SAFETY DATA SHEET****Nordkalk QL**

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** 14.06.2016

**Revision date** 22.12.2022

**1.1. Product identifier**

**Product name** Nordkalk QL

**Synonyms** Lime, Burnt lime, Un-slaked lime, Building lime, Calcia, Fat lime, Chemical lime, Fluxing lime, Hard burnt lime, Soft burnt lime, Pebble lime, Calcium oxide, Calcium monoxide, Quick lime, Calcined limestone

**IUPAC name** Calcium oxide - CaO

**REACH Reg. No.** 01-2119475325-36-XXXX

**CAS No.** 1305-78-8

**EC No.** 215-138-9

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

**Use of the substance / mixture** Building material industry, Chemical industry, Agriculture, Biocidal use, Environmental protection (e.g. flue gas treatment, waste water treatment, sludge treatment), Drinking water treatment, Feed, food and pharmaceutical industry, Civil engineering, Paper and paint industry

**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

<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 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>Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]</b>	Skin Irrit. 2; H315
	Eye Dam. 1; H318
	STOT SE 3; H335

### 2.2. Label elements

#### Hazard pictograms (CLP)



<b>Composition on the label</b>	Calcium oxide
<b>Signal word</b>	Danger
<b>Hazard statements</b>	<p>H315 Causes skin irritation.</p> <p>H318 Causes serious eye damage.</p> <p>H335 May cause respiratory irritation.</p>
<b>Precautionary statements</b>	<p>P102 Keep out of reach of children.</p> <p>P261 Avoid breathing dust/spray.</p> <p>P280 Wear protective gloves / protective clothing / eye protection / face protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of soap and water.</p> <p>P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a POISON CENTER or doctor / physician.</p> <p>P501 Dispose of contents / container in accordance with local regulation.</p>

## 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

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

Substance	Identification	Classification	Contents	Notes
Calcium oxide	CAS No.: 1305-78-8 EC No.: 215-138-9 REACH Reg. No.: 01-2119475325-36-XXXX	Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335	75 - 98 %	

## 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

Move exposed person immediately to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.

#### Skin contact

Brush off loose particles from skin. Rinse the skin immediately with plenty of water. Take off contaminated clothing and wash before reuse. If skin irritation or other symptoms persist, seek medical attention.

#### Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes, holding eyelids open. Remove contact lenses, if present and easy to do, and continue rinsing. Get medical advice/attention.

#### Ingestion

Do not induce vomiting. Rinse the mouth and give 1-2 glasses of water to drink. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

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

#### Acute symptoms and effects

Causes skin irritation. May irritate airways. Risk of serious eye damage.

#### Delayed symptoms and effects

None known.

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

#### Other information

Treat symptomatically.

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Dry chemical, carbon dioxide or foam. Use an extinguishing agent suitable for the surrounding fire.
<b>Improper extinguishing media</b>	Do not use water to extinguish fire. Avoid moisture.

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

<b>Fire and explosion hazards</b>	The product is non-combustible. Reacts with water by releasing heat (exothermic reaction). This may cause fire.
<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.
<b>Other information</b>	Avoid dust formation.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

<b>General measures</b>	Ensure adequate ventilation. Keep unnecessary and unprotected people from entering. Avoid generation and spreading of dust. Stop leak if safe to do so. Avoid humidification.
<b>Personal protection measures</b>	Wear appropriate personal protective equipment. Avoid contact with skin or eyes. Avoid breathing dust.

### 6.2. Environmental precautions

<b>Environmental precautionary measures</b>	Prevent spreading over great surfaces (e.g. by damming or installing oil booms). Keep the product dry. Cover area if possible to avoid unnecessary dust hazard. Avoid release into drains, sewers or waterways. In case of environmental contamination, inform local authorities.
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### 6.3. Methods and material for containment and cleaning up

<b>Containment</b>	Avoid generation and spreading of dust. Pick up solid product mechanically. Store in a dry place.
<b>Clean up</b>	Collect product with a vacuum cleaner or sweep it up. Keep the material dry.

### 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>	Avoid contact with skin or eyes. Avoid breathing dust. Wear appropriate personal protective equipment. Avoid generating excess dust. Ensure adequate ventilation (use process enclosures or local exhaust ventilation if necessary). Do not wear contact lenses when handling this product. Eyewash facilities must be available when handling this product.
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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. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash hands and exposed skin areas before breaks and at the end of workday. Take off contaminated clothing immediately and wash before reuse.

## 7.2. Conditions for safe storage, including any incompatibilities

<b>Storage</b>	Store in a dry place. Keep out of reach of children.
<b>Conditions to avoid</b>	Keep away from moisture and water. Do not allow contact with air. For incompatible materials see point 10.5.

## Conditions for safe storage

<b>Technical measures and storage conditions</b>	Store in a dry, well-ventilated area.
<b>Packaging compatibilities</b>	Unsuitable packaging materials and coatings: Aluminium.

## 7.3. Specific end use(s)

<b>Specific use(s)</b>	See the identified uses in table 1 of the Appendix of this SDS.
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## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Calcium oxide	CAS No.: 1305-78-8	Country of origin: United Kingdom Limit value (8 h) : 2 mg/m <sup>3</sup> Country of origin: United Kingdom Limit value (8 h) : 1 mg/m <sup>3</sup> <b>Limit value (short term)</b> Value: 4 mg/m <sup>3</sup> Comments: Respirable fraction Country of origin: European Union Limit value (8 h) : 1 mg/m <sup>3</sup>	

**Limit value (short term)**Value: 4 mg/m<sup>3</sup>

Source: Directive (EU)

2017/164

Comments: IOELV

Particle fraction: Respirable

Country of origin: Finland

Limit value (8 h) : 1 mg/m<sup>3</sup>**Limit value (short term)**Value: 4 mg/m<sup>3</sup>**DNEL / PNEC****Substance**

Calcium oxide

**DNEL****Group:** Professional**Route of exposure:** Acute inhalation (local)**Value:** 4 mg/m<sup>3</sup>**Comments:** respirable dust**Group:** Professional**Route of exposure:** Long-term inhalation (local)**Value:** 1 mg/m<sup>3</sup>**Comments:** respirable dust**Group:** Consumer**Route of exposure:** Acute inhalation (local)**Value:** 4 mg/m<sup>3</sup>**Comments:** respirable dust**Group:** Consumer**Route of exposure:** Long-term inhalation (local)**Value:** 1 mg/m<sup>3</sup>**Comments:** respirable dust**PNEC****Route of exposure:** Freshwater**Value:** 0,37 mg/l**Route of exposure:** Saltwater**Value:** 0,24 mg/l**Route of exposure:** Sewage treatment plant STP**Value:** 2,27 mg/l**Route of exposure:** Soil**Value:** 817,4 mg/kg**8.2. Exposure controls****Precautionary measures to prevent exposure****Technical measures to prevent exposure**

Handle the product in closed systems or provide sufficient ventilation. Use local exhaust ventilation if necessary. Emergency eyewash equipment must be available at workplace.

**Eye / face protection**

<b>Suitable eye protection</b>	Use tight-fitting safety goggles. (EN 166:2001)
<b>Eye protection, comments</b>	Do not wear contact lenses when handling this product. It is advisable to have individual pocket eyewash. Appropriate for alkali chemicals.

**Hand protection**

<b>Suitable gloves type</b>	Use appropriate chemical-resistant, impervious gloves. (EN ISO 374-1:2018, type A or B)
<b>Suitable materials</b>	Nitrile rubber.

**Skin protection**

<b>Suitable protective clothing</b>	Wear appropriate chemical-resistant, impervious protective clothing. Wear appropriate protective footwear.
<b>Additional skin protection measures</b>	Wash contaminated skin after exposure. Remove contaminated clothing and shoes and wash/clean them before reuse.

**Respiratory protection**

<b>Respiratory protection necessary at</b>	If it is not possible to reduce exposure levels to below exposure limit values by ventilation, use appropriate respirator.
<b>Recommended type of equipment</b>	Particle filter mask. (FFP1/FFP2/FFP3)
<b>Respiratory protection, comments</b>	See the relevant exposure scenario in the Appendix.

**Thermal hazards**

<b>Thermal hazards</b>	Not relevant.
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**Appropriate environmental exposure control**

<b>Environmental exposure controls</b>	Prevent entry into sewers or the environment. All ventilation systems should be filtered before discharge to atmosphere.
<b>Environmental exposure controls, comments</b>	See the relevant exposure scenario in the Appendix.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	Solid. Powder. Granular.
<b>Colour</b>	White. Light brown. Beige.
<b>Odour</b>	Odourless.
<b>Odour limit</b>	Comments: Not relevant.
<b>pH</b>	Status: In aqueous solution Value: 12,3 Temperature: 20 °C

<b>Melting point / melting range</b>	Value: > 450 °C Method: EU A.1
<b>Boiling point / boiling range</b>	Comments: Not applicable.
<b>Flash point</b>	Comments: Not applicable.
<b>Flammability</b>	Not flammable. (EU A.10)
<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: Not determined.
<b>Density</b>	Value: 3,31 kg/dm <sup>3</sup> Method: EU A.3
<b>Bulk density</b>	Value: 0,75 -1,30 kg/dm <sup>3</sup>
<b>Solubility</b>	Medium: Water Value: 1337,6 mg/l Method: EU A.6
<b>Partition coefficient: n-octanol/ water</b>	Comments: Not applicable.
<b>Auto-ignition temperature</b>	Method: EU A.16 Comments: Not self-igniting.
<b>Decomposition temperature</b>	Value: > 450 °C
<b>Viscosity</b>	Comments: Not applicable.

## 9.2. Other information

### 9.2.2. Other safety characteristics

<b>Comments</b>	None reported.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity</b>	Reacts with water by releasing heat (exothermic reaction). Absorbs moisture and carbon dioxide from air to form calcium carbonate, which is a common material in nature.
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### 10.2. Chemical stability

<b>Stability</b>	Chemically stable under normal storage conditions.
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### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Reacts exothermically with acids (releasing heat).
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### 10.4. Conditions to avoid



**Conditions to avoid** Do not allow contact with air. Protect from moisture. Do not store in damp conditions or areas of high humidity.

## 10.5. Incompatible materials

**Materials to avoid** Acids. Water.  
Aluminium. Brass. In the presence of moisture produces hydrogen which may cause risk of explosion.

## 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

**Substance** Calcium oxide

**Acute toxicity**

**Effect tested:** LD50  
**Route of exposure:** Oral  
**Method:** OECD 425  
**Value:** > 2000 mg/kg bw  
**Animal test species:** Rat

**Effect tested:** LD50  
**Route of exposure:** Dermal  
**Method:** OECD 402  
**Value:** > 2500 mg/kg bw  
**Animal test species:** Rabbit

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

### Other information regarding health hazards

**Substance** Calcium oxide

**Skin corrosion / irritation test result**

**Toxicity type:** Skin irritation  
**Method:** In vivo  
**Species:** Rabbit  
**Evaluation result:** Irritating.

**Toxicity type:** Skin corrosion  
**Method:** In vitro OECD 431  
**Evaluation result:** Not corrosive.

**Assessment of skin corrosion / irritation, classification** Causes skin irritation.

**Substance** Calcium oxide

**Eye damage or irritation, test results**

**Toxicity type:** Eye damage  
**Method:** In vivo  
**Species:** Rabbit  
**Evaluation result:** Causes serious eye damage

<b>Assessment of eye damage or irritation, classification</b>	Causes serious eye damage.
<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. (In vitro, OECD 471, 473, 476 read across)
<b>Carcinogenicity, other information</b>	The product is not classified as a carcinogen.
<b>Reproductive toxicity</b>	The product is not classified as toxic to reproduction.
<b>Assessment of specific target organ toxicity - single exposure, classification</b>	May cause respiratory irritation.
<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.
<b>Assessment of aspiration hazard, classification</b>	The product is not classified as an aspiration hazard.

## Symptoms of exposure

<b>In case of ingestion</b>	Irritates the gastrointestinal tract.
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## 11.2 Other information

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

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>Substance</b>	Calcium oxide
<b>Aquatic toxicity, fish</b>	<p><b>Value:</b> 50,6 mg/l  <b>Effect dose concentration:</b> LC50  <b>Test duration:</b> 96 hour(s)  <b>Species:</b> freshwater fish  <b>Comments:</b> calcium dihydroxide</p> <p><b>Value:</b> 457 mg/l  <b>Effect dose concentration:</b> LC50  <b>Test duration:</b> 96 hour(s)  <b>Species:</b> marine water fish  <b>Comments:</b> calcium dihydroxide</p>
<b>Substance</b>	Calcium oxide
<b>Aquatic toxicity, algae</b>	<p><b>Value:</b> 184,57 mg/l  <b>Effect dose concentration:</b> EC50  <b>Test duration:</b> 72 hour(s)  <b>Species:</b> freshwater algae  <b>Comments:</b> calcium dihydroxide</p> <p><b>Value:</b> 48 mg/l</p>

	<p><b>Effect dose concentration:</b> NOEC  <b>Test duration:</b> 72 hour(s)  <b>Species:</b> freshwater algae  <b>Comments:</b> calcium dihydroxide</p>
<b>Substance</b>	Calcium oxide
<b>Aquatic toxicity, crustacean</b>	<p><b>Toxicity type:</b> Chronic  <b>Value:</b> 32 mg/l  <b>Effect dose concentration:</b> NOEC  <b>Test duration:</b> 14 day(s)  <b>Species:</b> marine water invertebrates  <b>Comments:</b> calcium dihydroxide</p> <p><b>Value:</b> 49,1 mg/l  <b>Effect dose concentration:</b> EC50  <b>Test duration:</b> 48 hour(s)  <b>Species:</b> freshwater invertebrates  <b>Comments:</b> calcium dihydroxide</p> <p><b>Value:</b> 158 mg/l  <b>Effect dose concentration:</b> LC50  <b>Test duration:</b> 96 hour(s)  <b>Species:</b> marine water invertebrates  <b>Comments:</b> calcium dihydroxide</p>
<b>Toxicity to earthworm</b>	<p>Value: 2000 mg/kg  Species: macro organisms  Method: soil dry weight  Comments: calcium dihydroxide</p>
<b>Toxicity to soil microorganisms</b>	<p>Value: 12000 mg/kg  Species: microorganisms  Method: soil dry weight  Comments: calcium dihydroxide</p>
<b>Plant toxicity</b>	<p>Value: 1080 mg/kg  Effect dose concentration: NOEC  Test duration: 21 day(s)  Comments: calcium dihydroxide</p>
<b>Ecotoxicity</b>	The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

## 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>	Calcium oxide reacts with water and/or carbon dioxide to form respectively calcium dihydroxide and/or calcium carbonate, which are sparingly soluble, and
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present a low mobility in most soils.

## 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** Not relevant for inorganic substances.

## 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. Prevent entry into drains, sewers, waterways or soil.

# 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** The used packaging is only meant for packing this product; it should not be reused for other purposes. After usage, empty the packing completely.

**Other information** Processing, use or contamination of this product may change the waste management options.  
Dispose of in compliance with local and national regulations.

# SECTION 14: Transport information

## 14.1. UN number

**ADR/RID/ADN** 1910

**IMDG** 1910

**ICAO/IATA** 1910

**Comments** Not classified as hazardous for transport [ADR (road), RID (rail), ADN (inland waterways) and IMDG (sea)]. Classified as hazardous for air transport (ICAO/IATA).

## 14.2. UN proper shipping name

**Proper shipping name English ADR/RID/ADN** Calcium oxide

**ADR/RID/ADN** Calcium oxide

**IMDG** CALCIUM OXIDE

**ICAO/IATA** CALCIUM OXIDE

## 14.3. Transport hazard class(es)

ADR/RID/ADN	8
Classification code ADR/RID/ADN	C6
IMDG	8
ICAO/IATA	8

#### 14.4. Packing group

ICAO/IATA	III
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#### 14.5. Environmental hazards

IMDG Marine pollutant	No
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**Comments** The product is not classified as hazardous to the environment.

#### 14.6. Special precautions for user

<b>Special safety precautions for user</b>	Avoid any release of dust during transportation, by using air-tight tanks for powders and covered trucks for pebbles.
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#### 14.7. Maritime transport in bulk according to IMO instruments

Product name	CALCIUM OXIDE
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#### Additional information

Hazard label ADR/RID/ADN	8
Hazard label IMDG	8
Hazard label ICAO/IATA	8

### SECTION 15: Regulatory information

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

Legislation and regulations	No specific regulations.
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#### 15.2. Chemical safety assessment

Chemical safety assessment performed	Yes
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### SECTION 16: Other information

<b>List of relevant H-phrases (Section 2 and 3)</b>	H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation.
<b>Training advice</b>	Read safety data sheet.

<b>Key literature references and sources for data</b>	Previous version of the SDS 25.2.2019 EULA Safety Data Sheet for Calcium oxide (v. 4.0/EN, December 2020) EH40/2005 Workplace exposure limits (4th ed, 2020)
<b>Abbreviations and acronyms used</b>	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 NOEC: No Observed Effect Concentration: concentration at which no effects are observed OEL: Occupational exposure limit PNEC: Predicted No-Effect Concentration STEL: Short-term exposure limit. TWA: Time-weighted average
<b>Information added, deleted or revised</b>	25.2.2019: The following sections have been revised: 1.2 Relevant identified uses of the substance and uses advised against 1.3 Contact information 2.1 Classification of the substance 2.2 Label elements (2.2.1 and 2.2.2) 3.1 Substance 8.1 Control parameters 16.2 Precautionary statements 22.12.2022: Update according to Annex II of the REACH Regulation ([EU] 2020/878). Added exposure limit values (section 8.1). Changes to sections: 1.2, 2.2, 2.3, 4.1, 5.1, 6.2, 7.1, 8.1, 8.2, 9.1, 10.1, 10.5, 11.2, 12.6, 13.1, 14.5, 14.6, 16
<b>Last update date</b>	22.12.2022
<b>Version</b>	1
<b>Comments</b>	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.