

SAFETY DATA SHEET**Calcium 35 %**

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 28.02.2020

1.1. Product identifier

Product name	Calcium 35 %
Synonyms	Kornað kalk, Calcium carbonate
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.	1317-65-3
EC No.	215-279-6

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

Use of the substance / preparation	Inorganic fertiliser. Agricultural Industry. Out-door use.
Industrial use	Yes
Professional use	Yes
Consumer use	No

1.3. Details of the supplier of the safety data sheet

Company name	Belor Agro Oy
Postal address	Salorankatu 5-7
Postcode	24240
City	Salo
Country	Finland
Telephone number	+358 500 933 158
Email	info@beloragro.fi
Website	http://www.beloragro.fi
Enterprise No.	FI2132672-0

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.
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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	Dust in high concentrations may irritate eyes, respiratory system and skin.
Other hazards	None reported.

SECTION 3: Composition / information on ingredients

3.1. Substances

Substance type	Inorganic			
Substance	Identification	Classification	Contents	Notes
Limestone	CAS No.: 1317-65-3 EC No.: 215-279-6		90 - 100 %	

SECTION 4: First aid measures

4.1. Description of first aid measures

General	If the situation is unclear or symptoms persist, seek medical attention. Show this safety data sheet, product container or label to the doctor in attendance.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	Remove contaminated clothing and shoes. Wash contaminated skin thoroughly with plenty of soap and water.
Eye contact	Immediately flush eyes with plenty of water for several minutes, holding eyelids open. Remove contact lenses, if present and easy to do, and continue rinsing. If eye irritation or other symptoms persist, seek medical attention.
Ingestion	Rinse mouth with water and then drink plenty of water. Do not give milk or

alcoholic beverages to drink. Never give anything by mouth to an unconscious person.
Do NOT induce vomiting. 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 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

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 Pick up mechanically. Place in sealable containers for disposal.

Other information Avoid generation and spreading of dust.

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 appropriate personal protective equipment while handling the product (see point 8).
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Protective safety measures

Safety measures to prevent fire	No special measures required.
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

Conditions to avoid	For incompatible materials see point 10.5.
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Conditions for safe storage

Technical measures and storage conditions	Store in a dry, well-ventilated area.
Requirements for storage rooms and vessels	Keep containers tightly closed and upright to prevent leakage.

7.3. Specific end use(s)

Specific use(s)	None reported.
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SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Limestone, respirable dust	CAS No.: 1317-65-3	Limit value (8 h) : 4 mg/m ³	
Limestone, total inhalable dust	CAS No.: 1317-65-3	Limit value (8 h) : 10 mg/m ³	
Control parameters comments	Compliance with the accepted occupational exposure limits values should be controlled on a regular basis.		

DNEL / PNEC

DNEL	Group: Professional Route of exposure: Long-term inhalation (systemic) Value: 10 mg/m ³ Comments: Dolomite
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8.2. Exposure controls

Safety signs



Precautionary measures to prevent exposure

Technical measures to prevent exposure	Ensure adequate ventilation. Use local exhaust ventilation if necessary.
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Eye / face protection

Suitable eye protection	Use tight-fitting safety goggles (EN 166).
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Hand protection

Suitable gloves type	Wear appropriate chemical resistant safety gloves (EN 374).
Suitable materials	Contact glove manufacturer for specific advice on glove selection.

Skin protection

Suitable protective clothing	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, use appropriate respirator.
Recommended respiratory protection	Mask type: Use respiratory equipment with particle filter, type P2. Reference to relevant standard: EN 143

Appropriate environmental exposure control

Environmental exposure controls	Prevent entry into drains, sewers or waterways.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Solid: granular
Colour	Off-white.
Odour	Characteristic.
Odour limit	Comments: Unknown.
pH	Status: In aqueous solution Value: 8,5 - 9,5 Method: DIN-ISO 787/9 Temperature: 20 °C Concentration: 100 g/l
Melting point / melting range	Value: > 800 °C Comments: 1.013 hPa Decomposition: decomposes below the melting point.

Boiling point / boiling range	Comments: Decomposition: decomposes below the boiling point.
Flash point	Comments: Not flammable.
Evaporation rate	Comments: Not relevant.
Flammability (solid, gas)	Not flammable. Does not ignite. Does not sustain combustion. Burning number: 1
Explosion limit	Comments: Not applicable.
Vapour pressure	Comments: Not applicable.
Vapour density	Comments: Not applicable.
Density	Value: 2,6 - 2,8 g/cm ³ Method: DIN-ISO 787/10 Comments: 1.013 hPa Temperature: 20 °C
Solubility	Medium: Water Value: 0,014 g/l Comments: 1.013 hPa Temperature: 20 °C Medium: Water Value: 0,018 g/l Comments: 1.013 hPa Temperature: 75 °C
Partition coefficient: n-octanol/ water	Value: < 1 Comments: Estimated.
Spontaneous combustability	Comments: Not self-igniting.
Decomposition temperature	Value: > 600 °C
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. Contact with acids liberates toxic gas.
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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	Reacts with acids to form carbon dioxide which displaces the oxygen in the air in closed spaces. Danger of suffocation.
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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	Acids.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Carbon dioxide (CO ₂).
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance	Limestone
Acute toxicity	Effect tested: LD50 Route of exposure: Oral Value: > 5000 mg/kg Animal test species: Rat
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.
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.
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

Substance	Limestone
Aquatic toxicity, fish	Toxicity type: Acute Value: > 10000 mg/l Effect dose concentration : LC50 Test duration: 96 h Species: Oncorhynchus mykiss
Substance	Limestone
Aquatic toxicity, algae	Toxicity type: Acute Value: > 200 mg/l Effect dose concentration : EC50 Test duration: 72 h Species: Desmodesmus subspicatus
Substance	Limestone
Aquatic toxicity, crustacean	Toxicity type: Acute Value: > 1000 mg/l Effect dose concentration : EC50 Test duration: 48 h Species: Daphnia magna
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.
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12.3. Bioaccumulative potential

Bioaccumulation, evaluation	Not relevant for inorganic substances.
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12.4. Mobility in soil

Mobility	No data available.
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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	Not relevant for inorganic substances.
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12.6. Other adverse effects

Additional ecological information	<p>In solid state these minerals are a major part of the rocks of the earth's surface. They are dissolved in a natural state and indispensable part of the natural waters. These minerals are not biodegradable. Negative effects on the environment should therefore be excluded. Restrictions may indicate that concentrated suspensions with these minerals in natural waters may have an unfavorable effect on water organisms (disturbance of the micro flora and -fauna in the sediment and subsequent detriment to the existence of higher water organisms).</p>
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the contaminated packaging	After usage, empty the packing completely.
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.
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14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

IMDG Marine pollutant	No.
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14.6. Special precautions for user

Special safety precautions for user	Avoid generation and spreading of dust.
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14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Transport in bulk (yes/no)	No
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SECTION 15: Regulatory information

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

Legislation and regulations	Regulation (EU) 2019/1009 laying down rules on the making available on the market of EU fertilising products and amending Regulations (EC) No 1069/2009 and (EC) No 1107/2009 and repealing Regulation (EC) No 2003/2003.
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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

Training advice	Read safety data sheet.
Key literature references and sources for data	SDS by product manufacturer (02.04.2019)

	EH40/2005 Workplace exposure limits (3rd ed, 2018)
Abbreviations and acronyms used	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 PNEC: Predicted No-Effect Concentration TWA: Time-weighted average
Version	1
Prepared by	Sweco AB
Comments	The information of this safety data sheet is based on existing public information sources, such as current legislation, available at the time of publication of the completed safety data sheet, and information on the Customer's products that has been provided by the Customer to Sweco. The Customer is responsible that the information provided to Sweco is accurate and up to date.