Lime filler

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

1.1 Product identifier

Trade name: **Lime filler**

1.2 Relevant identified uses of the substance or mixture and uses advised against Lime filler (grain size 0-0.5mm, dry mixture).

1.3 Details of the supplier of the safety data sheet

Manufacturer:	Saviukumaja OÜ, Mooste Manor, Põlva county 64616 Estonia
SDS responsible person e-mail:	info@saviukumaja.ee

1.4 Emergency telephone number

Poison information centre number (Estonia):	16662 (from abroad +372 6269390) Open Mon: 9:00 - 21:00, Tue-Sun 24H.
Emergency number:	112

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008:	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Eye Dam. 1; H318 STOT SE 3; H335

2.2 Label elements

Pictogram(s):

Signal word:	Danger
Hazard Statements:	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation.
Precautionary Statements:	P260 Do not breathe dust. P280 Wear protective gloves/protective clothing/eye protection. P302 + P352 IF ON SKIN: Wash with plenty of water. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor. P362 + P364 Take off contaminated clothing and wash it before reuse. P501 Dispose of contents/container in accordance with national/international regulations.

2.3 Other hazards

Notes: Main hazards are cause by the formation of dust and when the product gets wet that may influence that hazard profile more severe.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:

Product is a mixture.

3.2 Mixtures:

Chemical name	CAS; EC; Index; REACH reg.no	Content %	Classification according to Regulation (EC) 1272/2008 (CLP)
Limestone sand	CAS: 1317-65-3 EC: 215-279-6 Index: - REACH reg. no: exempted	~80	Skin Irrit. 2; H315 Eye Dam. 1; H318
Calcium hydroxide	CAS: 1305-62-0 EC: 215-137-3 Indeks: - REACH reg. nr: 01-2119475151-45-0076	<15	Skin Irrit.2; H315 Eye Dam.1; H318 STOT SE3; H335
Cellulose, 2-hydroxypropyl methyl ether	CAS: 9004-65-3 EC: - Index: - REACH reg. no: -	<1	Not classified

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: After inhalation of significant amount move person to fresh air. Dust accumulated into nose and throat should clean itself out. In case irritation persists or occurs and in case of discomfort, cough or any other symptoms seek medical attention.

Skin contact: Remove dry material carefully, wash with plenty of water. Wash wet material off immediately. Remove contaminated clothes, shoes, watch etc. clean carefully before reuse. In case of irritation seek medical assistance.

Eye contact: Do not rub eyes to avoid possible cornea damage due mechanical pressure. Remove contact lenses if available and easy to do so. Tilt head towards affected eye, open eyelids wide and wash eyes immediately with plenty of clean water for at least 45 minutes to remove all remaining particles. In case of eye contact wash with physiological solution. Seek occupational and/or medical assistance.

Ingestion: Do not induce vomiting. Conscious person mouth should be rinsed and give several glasses of water to drink. Seek medical attention immediately of call to poison information centre.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/ effects: For symptoms and effects caused by the contained substances, see section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Extinguishing media: Not flammable.
Coordinate extinguishing media to the surrounding fire.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards: Product does not induce burning.

5.3 Advice for fire-fighters

Special protective equipment for fire fighters: No special measures.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Do not let product get wet. Use protective equipment according to surrounding environment. See additional information on personal protective equipment from Section 8. Measures for safe use see Section 7.

6.2 Environmental precautions

Environmental precautions: Do not let product reach sewer system or waterways.

6.3 Methods and materials for containment and cleaning up

Cleaning up methods: Collect scattered material into containers as dry as possible for further use. Use dry cleaning methods that do not case dust spreading like vacuum cleaning (with a vacuum cleaner) or vacuum extraction that does not cause air dispersion; disposable equipment with small particle high effective filers (HEPA) or similar techniques. Ensure that workers use suitable protective equipment in heavy dust environments.
In case of wet material place previously dried and solid material for disposal into suitable waste container.

6.4 Reference to other sections

Reference: See Section 8 for personal protective equipment.
See Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions: Keep container dry. Ensure concentrations below specific concentration thresholds with suitable industrial practices. In case of inadequate ventilation wear suitable respiratory protection. Do not breathe dust. Avoid contact with skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store product sealed in cool and dry place in original containers suitable for storing the specific product. Avoid moisture. Keep away from food, drinks and feedstock.

7.3 Specific end use(s)

Specific end use(s): Not applicable.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits:

Ingredient	CAS Number	Type of OEL	8 hour TWA	Notes / Sources
Dust: total dust fine dust	-	Limit value	10 mg/m^3 5 mg/m^3	Fine dust consists of particles with a diameter of less than 2,5 µm that may reach to lung alveolus with inhalable air. The mixture of organic and inorganic dust concentration should not exceed 5 mg/m^3. The concentration of substances in the dust must be according to the thresholds. Estonia
Calcium hydroxide	1305-62-0	Limit value	5 mg/m^3	Estonia
Cellulose, 2-hydroxypropyl methyl ether	9004-65-3	Limit value	10 mg/m^3	TWA total dust Dow IH

Consult the appropriate literature to determine the relevant standard(s) for a specific country.

8.2 Exposure controls

Appropriate engineering controls: Use closed systems, exhaust ventilation or other technical measure to ensure the concentrations of substances in the air are below the recommended workplace exposure limit values. In case of dust formation use mitigation measures and avoid dispersion of dust into the environment. According to workplace processes risk evaluation it may be necessary to monitor workplace exposures to demonstrate compliance to applicable thresholds.

Individual protection measures, such as personal protective equipment

Personal protective equipment: Protective equipment should be chosen according to workplace specifics, the amount of handled material, the concentration of hazardous substances and the risk to exceed threshold limit values. Suppliers of the equipment must guarantee that their products fully comply with applicable requirements and standards.

Respiratory protection: In case of insufficient ventilation wear respiratory protection which needs to be aligned with available dust concentrations and according to EU standards.

Hand protection: Use hermetic, wear resistant and alkali gloves e.g. nitrile rubber.

Eye/face protection: Wear protective goggles to avoid eyes exposure with dust particles.

Skin protection: Skin protective equipment must be chosen according to the tasks at hand and the nature of accompanying risks.

General hygiene measures: Do not breather in dust. Avoid contact with skin and eyes. Do not eat, drink or smoke at workplace. Keep away from food, drink and feedstuff. Wash hands before breaks and after work. Remove contaminated clothing (clean them before reuse) and wash skin thoroughly with water and soap after work.

Environmental exposure controls: Take measures to avoid spreading of dust into the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state: Solid powder

Colour:	White
Odour:	Odourless
pH:	Not available
Melting point/freezing point:	Not applicable
Initial boiling point and boiling range:	Not applicable
Flash Point:	Not applicable
Evaporation rate:	Not applicable
Flammability (solid, gas):	Not applicable
Upper/lower flammability or explosive limits:	Not applicable
Vapour pressure:	Not applicable
Vapour density:	Not applicable
Relative density:	Not available
Solubility(ies):	Slightly soluble in water.
Partition coefficient: n-octanol/water:	Not applicable
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Not applicable
Viscosity:	Not applicable
Explosive properties:	Not explosive
Oxidising properties:	Not oxidising

9.2 Other information

Additional data: Not available

SECTION 10: STABILITY and reactivity

10.1 Reactivity

Reactivity: Hardens when contact to water and it is not reactive in environment.

10.2 Chemical stability

Stability: Dry product is stable under normal conditions of storage.

10.3 Possibility of hazardous reactions

Hazardous reactions: No hazardous reactions are foreseeable in normal conditions of use.

10.4 Conditions to avoid

Conditions to avoid: Keep away from moisture.

10.5 Incompatible materials

Incompatible materials: Reacts with acids and salts.

10.6 Hazardous decomposition products

Hazardous decomposition products: None known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Information on likely routes of exposure: Likely routes of exposure: dermal, inhalation.

No test data of product available.

Acute toxicity:	Product is not classified hazardous through ingestion, inhalation or dermal exposure.
Skin corrosion/irritation:	Causes skin irritation.
Serious eye damage/irritation:	Causes serious eye damage.
Respiratory or skin sensitisation:	May cause allergic skin reaction.
Germ cell mutagenicity:	Does not contain substances classified as germ cell mutagens.
Carcinogenicity:	Does not contain carcinogenic substances.
Reproductive toxicity:	Does not contain substances classified as toxic to reproduction.
STOT-single exposure:	May cause respiratory irritation.
STOT-repeated exposure:	Does not classify as a specific target organ toxic following repeated exposure.
Aspiration hazard:	Does not contain aspiration hazard causing substances.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity: Product is not classified dangerous for the environment.

12.2 Persistence and degradability

Degradability: No available data.

12.3 Bioaccumulative potential

Bioaccumulative potential: No available data.

12.4 Mobility in soil

Mobility: No available data.

12.5 PBT and vPvB assessment

PBT/vPvB: Not applicable.

12.6 Other adverse effects

Other adverse effects: No known significant effects or critical hazards.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose waste and product residues according to the requirements of local authorities. Recycle as possible. Consult with local authorities. Waste is not classified as hazardous waste.

Product residues:	European Waste Catalog (EWC) Waste code: 10 13 14 wastes from calcination and hydration of lime 10 13 06 particulates and dust (except 10 13 12 10 and 10 13 13)
Empty packaging:	European Waste Catalog (EWC) Waste code: according to the type of package to be delivered; 15 01 01 paper and cardboard packaging.

SECTION 14: TRANSPORT INFORMATION

The product is not covered by the international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1 UN number

UN number: -

14.2 UN proper shipping name

UN proper shipping name: -

14.3 Transport hazard class(es)

	Class:	-

14.4 Packing group

	PG:	-

14.5 Environmental hazards

	Marine pollution:	-
	Environmentally hazardous substance:	-

14.6 Special precautions for user

	Special precautions:	None known.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	Transport in bulk:	Not applicable

SECTION 15: REGULATORY INFORMATION

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

Regulation (EC)No 1907/2006 (REACH)
Regulation (EC) No 1272/2008 (CLP)
Regulation (EU) No 830/2015 amending Annex II of REACH

15.2 Chemical Safety Assessment Not applicable.

SECTION 16: OTHER INFORMATION

Additional data:	Safety data sheet is compiled by using safety data sheets of the ingredients and the available data.
Used classification method according to (EC) Regulation No. 1272/2008:	The classification of a mixture is based on summation method.
Full text of hazard categories and undescribed hazard statements:	Skin Irrit. 2; Skin irritation; hazard category 2. Skin Sens. 1; Sensitisation — Skin, hazard category 1 Eye Dam. 1; Serious eye damage, Hazard Category 1 STOT SE 3; Specific target organ toxicity — Single exposure, Hazard Category 3, Respiratory tract irritation STOT RE 2; Specific target organ toxicity — Repeated exposure, Hazard Category 2 H373 May cause damage to organs through prolonged or repeated exposure.
Abbreviations / acronyms that are used in this safety data sheet:	ADN/ADNR = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DPD = Dangerous Preparations Directive [1999/45/EC] IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No-Effect Concentration REACH = Regulation of registration, evaluation, authorisation and restriction of chemicals [(EÜ) No 1907/2006] RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail vPvB = Very Persistent and Very Bioaccumulative

Lime filler

TWA = Time weighted average

The information contained within this Safety Data Sheet is provided to assist customers in assessing the health and safety requirements associated with the use of the product. The information was obtained from sources which were believed to be reliable. This Safety Data Sheet does not constitute an assessment of risks arising from the not intended use of the product.