

Trade name / Substance name:Parmix-Silika

x SAFETY DATA SHEET

(INFORMATION FORM FOR CHEMICALS DATA)

(*) concerns only chemical notification

(**) either 3.1 or 3.2 must be filled

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier****Trade name / Substance name**

Parmix-Silika

Company product code

Not applicable

REACH Registration number

01-2119486866-17- (silikajauhe, fumes silica)

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

Mineral admixture in concrete

Classification of economic activities (NACE) (*)

C236 Manufacture of articles of concrete, cement and plaster

Use categories (UC62) (*)

13 Construction material

The chemical can be used by the general public (*)

x

The chemical is used by the general public only (*)**1.3 Details of the supplier of the Safety Data Sheet****Supplier (manufacturer, importer, only representative, downstream user, distributor)****Responsible for placing a chemical on the market in Finland (*)****FINNSEMENTTI OY****Street address**

Skräbbölenie 18

Postcode and post office

21600 PARAINEN, FINLAND

Post-office box**Postcode and post office****Telephone number**

+358 201 206 200

Telefax**E-mail address**

info@finnsementti.fi

Finnish Business ID (Y code) (*)

1628387-7

1.4 Emergency telephone number

Poison Information Centre Tel. +358 9 471 977 (direct) or +358 9 4711 (exchange)

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

No need to classification according to Regulation EC N:o 1272/2008 [CLP] to this product.

2.2 Label elements

The product does not require a hazard warning label according to Regulation EC N:o 1272/2008 [CLP].

2.3 Other hazards

Dust may irritate mechanical respiratory system and lungs.

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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS		
3.1 Substances (**)		
Main constituent / constituent	CAS-, EC- or index number	Concentration
Fumes, silica	69012-64-2	
SECTION 4: FIRST AID MEASURES		
4.1 Description of first aid measures		
Remove victim immediately from source of exposure. General first aid, rest, warmth and fresh air. Get medical attention if any discomfort continues. Ingestion: Rinse mouth immediately and then drink couple of glasses water. Do not induce vomiting unless told to by a poison control center or doctor. Skin: Wash skin with soap and water. Eyes: Promptly wash eyes with plenty of water while lifting the eye lids. Make sure to remove any contact lenses from the eyes before rinsing. Get medical attention if any discomfort continues.		
4.2 Most important symptoms and effects, both acute and delayed		
Dust may irritate mechanical respiratory system and lungs.		
4.3 Indication of any immediate medical attention and special treatment needed		
Not known		
SECTION 5: FIREFIGHTING MEASURES		
5.1 Extinguishing media		
Use extinguishing media appropriate for surrounding fire.		
5.2 Special hazards arising from the substance or mixture		
The dust poses no risk of explosion.		
5.3 Advice for firefighters		
Cool containers exposed to flames with water until well after the fire is out. Move container from fire area if it can be done without risk.		
SECTION 6: ACCIDENTAL RELEASE MEASURES		
6.1 Personal precautions, protective equipment and emergency procedures		
Avoid handling which leads to dust formation.		
6.2 Environmental precautions		
Avoid handling which leads to dust formation.		
6.3 Methods and material for containment and cleaning up		
Collect spilled material using mechanical equipment. Avoid generation and spreading of dust.		
6.4 Reference to other sections		
Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.		
SECTION 7: HANDLING AND STORAGE		
7.1 Precautions for safe handling		
Avoid handling which leads to dust formation. Well ventilated area. If ventilation is insufficient, suitable respiratory protection must be provided. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.		
7.2 Conditions for safe storage, including any incompatibilities		
Keep away from hydrofluoric acid.		
7.3 Specific end use(s)		
Not known		

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters****National occupational exposure limit values**Amorphous silicon dioxide 8h: 5,0 mg/m³Inorganic dust 8h: 10 mg/m³**Other limit values**

Not known

DNEL

Not known

PNEC

Not known

8.2 Exposure controls**Appropriate engineering controls**

Well ventilated area.

Eye / face protection

Use tight fitting goggles if dust is generated.

Skin protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hand protection

Use protective gloves made of: Rubber or plastic.

Respiratory protection

If ventilation is insufficient, suitable respiratory protection must be provided. Dust filter

P2 (for fine dust).

Thermal hazards

Not known

Environmental exposure controls

Not special actions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on physical and chemical properties**

Appearance	Ultrafine amorphous grey powder
Odour	Odourless
Odour threshold	No applicable information available
pH	Not applicable
Melting point/freezing point	Melting point 1550...1570 C
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	2,3...2,4 g/cm ³

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Solubility(ies)	Not applicable
Partition coefficient: n-octanol/water	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
Viscosity	Not applicable
Explosive properties	Not applicable
Oxidising properties	Not applicable

9.2 Other information
No

SECTION 10: STABILITY AND REACTIVITY	
10.1 Reactivity	Stable when used at recommended storage and handling conditions.
10.2 Chemical stability	Stable when used at recommended storage and handling conditions.
10.3 Possibility of hazardous reactions	Reacts with hydrofluoric acid to form toxic silicon tetrafluoride.
10.4 Conditions to avoid	When heating microsilica above 500°C hazardous silicon quartz modifications (cristoballite/tridymite) may be formed.
10.5 Incompatible materials	Keep away from hydrofluoric acid.
10.3 Hazardous decomposition products	None at recommended storage and handling conditions.

SECTION 11: TOXICOLOGICAL INFORMATION	
11.1 Information on toxicological effects	

Acute toxicity

No sign of acute toxicity.

Skin corrosion/irritation

Dust may give mechanical irritation.

Serious eye damage/irritation

Dust in the eyes will cause mechanical irritation.

Respiratory or skin sensitisation

No allergic reaction is known.

Germ cell mutagenicity

No known heritable or mutagenic effects.

Carcinogenicity

This substance has no evidence of carcinogenic properties.

Reproductive toxicity

No known hazardous effects on reproduction, fertility or to the unborn child.

STOT-single exposure

Dust in the eyes will cause mechanical irritation.

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STOT-repeated exposure

The product may contain impurities of crystalline quartz (<1%). Prolonged breathing of crystalline silica dust may cause Silicosis.

Aspiration hazard

Not known

Other information

When heating microsilica above 500°C hazardous silicon quartz modifications (cristoballite/tridymite) may be formed.

12. ECOLOGICAL

SECTION 12: ECOLOGICAL INFORMATION	
12.1	Toxicity No negative effects on the aquatic environment are known. Little danger for inhibition of biosludge in sewage plants.
12.2	Persistence and degradability This product mainly consists of inorganic compounds which are not biodegradable. The remaining compounds of the product are expected to be not readily biodegradable.
12.3	Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.
12.4	Mobility in soil Not known
12.5	Results of PBT and vPvB assessment Not relevant, this product mainly consists of inorganic compounds.
12.6	Other adverse effects Not known
SECTION 13: DISPOSAL CONSIDERATIONS	
13.1	Waste treatment methods Collect in marked containers and deliver to approved depot. The product packaging must be disposed of in compliance with the country specific regulations.
SECTION 14: TRANSPORT INFORMATION	
14.1	UN number Not applicable Not classified as a dangerous good under transport regulations
14.2	UN proper shipping name Not applicable Not classified as a dangerous good under transport regulations
14.3	Transport hazard class(es) Not applicable Not classified as a dangerous good under transport regulations
14.4	Packing group Not applicable Not classified as a dangerous good under transport regulations
14.5	Environmental hazards Not applicable Not classified as a dangerous good under transport regulations
14.6	Special precautions for user Not applicable Not classified as a dangerous good under transport regulations
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable Not classified as a dangerous good under transport regulations
SECTION 15: REGULATORY INFORMATION	
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Date:13.5.2016

Former date:

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15.2 Chemical safety assessment

Chemical Safety Assessment not required

SECTION 16: OTHER INFORMATION

Indication of changes

Translation Finnish to English

Abbreviations and acronyms

None

Key literature references and sources for data

None

Used method in evaluating classification

Regulation EC N:o 1272/2008 [CLP].

List of relevant R-and S-phrases or/and safety and precautionary statements

None

Training advice for workers

www.finnsementti.fi