

SAFETY DATA SHEET

Date of issue: Aug 10, 2015

Version No: 1.0

Replaces: --

Scaniavital® Silica Paste

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

1.1 Product identifier

PRODUCT NAME:	Scaniavital® Silica Paste
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1.2 Relevant identified uses of the substance or preparation and uses advised against

Use of the product	Plant care
Limited conditions of use	None
Article No.	Not available.

1.3 Details of the supplier of the safety data sheet

Company	Bara Mineraler AB
Address	Malmövägen 305
Zip code/Place	SE-233 44 Bara
Country	Sweden
Telephone	+46 40 54 22 10 (working hours)
Fax	+46 40 542219
Contact person	Susanna Bondesson
E-mail	info@baramineraler.se

1.4 Details of the distributor of the safety data sheet

Company	Biobest N.V.
Address	Ilse Velden 18
Zip code/Place	2260 Westerlo
Country	Belgium
Telephone	+32 14 25 79 80 (working hours)
Fax	+32 14 25 79 82
E-mail	info@biobest.be

1.5 Emergency telephone number

Emergency telephone number	+32(0)70 -245 245 – Anti-poison center, Belgium
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2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or preparation

Product definition: Preparation

Classification according to EC-Directive (1999/45/EC)

Not classified.

Classification according to (EC) 1278/2008

Not classified.

2.2 Label Information

Label elements according to EC-Directive (1999/45/EC)

No labelling required.

Contains:

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Additional phrases on the label

Safety data sheet available for professional user on request.

2.3 Other hazards

Substance meets the criteria for PBT under Regulation EC No. 1907/2006, appendix XIII	PBT: No P: No. B: No. T: No (refers to substances containing)
Substance meets the criteria for PBT under Regulation EC No. 1907/2006, appendix XIII	vPvB: No vP: No. vB: No (refers to substances containing)
Other hazards which do not cause classification	Not applicable.

2.3 Other hazards

Health hazards:

No health hazard exists.

Fire and explosion hazards:

No fire or explosion hazard exists.

Environmental hazards:

No environmental hazard exists.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Preparation

No	Product/ ingredient name	CAS- number	EC- number	REACH registration number	Conc. (weight-%)	Classification (1999/45/EC)	Classification Regulation (EC) [CLP]
1	Clay	--	--	--	40-60	--	--
2	Water	7732-18-5	231-791-2	--	20-40	--	--
3	Binder	--	--	--	5-10	--	--
4	Emulsifier	--	--	--	1-5	--	--
5	Alcohols, C12-14, etoxylated	68439-50-9	500-213-3		1-3	Xi, Xn; R22, R41	Acute Tox. 4; H302 Eye Dam. 1; H318
6	Glacial acetic acid	200-580-7	64-19-6	--	1-3	C; R10, R35	Flam.Liq. 3; H226 Skin Corr. 1B,H314

See section 16 for the full text of the classification declared above. Occupational exposure limits are mentioned under section 8, if such exist.

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4. FIRST AID

4.1 Description of first aid measures

General information	When handling chemical products protective and hygienic measures should be followed that normally apply to such products.
Inhalation	Remove to fresh air and rest. Obtain medical attention if breathing difficulty persists.
Skin contact	Remove contaminated clothing.. Wash the skin properly with soap and water. Get medical attention if irritation persists.
Eye contact	Hold eyelids apart and rinse with water for a couple of minutes. Remove any contact lenses. If irritation or redness persists, seek medical attention.
Ingestion	Wash mouth properly with water. If patient is fully conscious, give two glasses of water. Contact physician if larger quantity has been consumed or if abdominal pain persists.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation	May not cause any health hazard.
Skin contact	Prolonged contact with skin may cause irritation.
Eye contact	May cause a reversible eye irritation.
Ingestion	Ingestion of large amounts may cause nausea and vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	Treat symptomatically.
Specific treatments	No specific treatment.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

General information	The product is clay and water based and is not combustible.
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5.1.1 Suitable extinguishing media	Use an extinguishing agent suitable for surrounding fires.
5.1.2 Unsuitable extinguishing media	Not relevant.

5.2 Special hazards arising from the substance or preparation

Hazards from the substance or preparation	No fire or explosion hazard exists.
Hazardous thermal decomposition products	Not relevant.

5.3 Advice to fire-fighters

5.3.1. Special protective actions for fire-fighters	Avoid inhalation of vapour.
5.3.2 Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus.
5.3.3 Further information	Not relevant.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Avoid contact with skin and eyes.

6.1.1 For non-emergency personnel

Wear protective clothing, safety gloves made of nitrile rubber, neoprene or butyl rubber.

6.1.2 For emergency responders

Wear protective clothing, protective gloves made of nitrile rubber, neoprene or butyl rubber.

6.2 Environmental precautions

Avoid dispersal of spilt material in waterways and sewers or contaminate soil and vegetation.

6.3 Methods and materials for containment and cleaning up

Absorb residue with vermiculite, clay, sand or other suitable material. Take up spill mechanically with suitable equipment (shovel) and store in original container for reuse. If spill cannot be used, store it in sealed containers for disposal. Clean contaminated areas and items with detergent and water. Collect water for disposal. Dispose of collected material, as well as material from the cleaning, as other waste, see section 13.

6.4 Reference to other sections

See section 8 for personal protective equipment.

See section 13 for handling of waste materials.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling	No special measures required. Avoid contact with skin and eyes.
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7.2 Conditions for safe storage, including any incompatibilities

Storage conditions	Store in a dry place at temperatures between 5-20 °C. Keep container tightly closed.
Conditions to avoid	Not relevant.

7.3 Special characteristics and risks

Conditions to avoid	None.
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7.3 Specific end use(s)

Specific use (s)	Not relevant.
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No specific occupational exposure limits exist.

Occupational exposure limit (OEL):

Substance name	CAS nr.	Range	ppm	mg/m ³	Year	Remarks
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8.2 Exposure controls

Avoid contact with skin and eyes. Wash hands soap and water before breaks and at end of work shift.

8.2.1 Appropriate technical controls

Not relevant for this product.

8.2.2 Individual protective measures, e.g protective personal equipment.

8.2.2.1 Respiratory protection	Not relevant.
8.2.2.2 Eye/face protection	In case of risk of splash wear chemical safety goggles.
8.2.2.3 Hand protection	Wear suitable impervious protective gloves of nitrile rubber, nitrile or butyl rubber.
8.2.2.4 Body protection	Wear appropriate protective clothing.

8.2.3 Thermal hazards	Non-flammable product.
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8.2.4 Environmental exposure controls

Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	paste
Colour	red
Odour	odorless
Density	appr. 1,5 g/cm ³ at 20°C.
Boiling point	not determined
Melting point	not determined
pH	5-6
Vapour pressure	not determined
Solubility in water	soluble in water.
Vapour density (air = 1)	not determined
Evaporation rate	not relevant
Flash point	non-combustible product
Autoignition temperature	not relevant
Upper/lower flammability or explosive limits	not relevant
Flammability (solid, gas)	not relevant
Viscosity	viscous
Partition coefficient: n-octanol/water	not determined

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10. STABILITY AND REACTIVITY

10.1 Reactivity	Not reactive
10.2 Chemical stability	Stabile under normal conditions of use and storage.
10.3 Possibility of hazardous reactions	Will not occur.
10.4 Conditions to avoid	None.
10.5 Incompatible materials	None.
10.6 Hazardous decomposition products	Non-combustible product.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Assessment of acute toxicity:

No specific data is available for the product. Long term use and experience indicates no danger to health and the product contains no ingredients that are known to be hazardous in the concentrations used in the product.

Experimental/calculated data of the product:

Exposure route	Value/unit	Animal species	Exposure time	Note
LD50, oral	> 2000 mg/kg	Rat		
LD50, dermal	> 2000 mg/kg	Rat		
LC50, inhalation	> 20 mg/l	Rat	4 h	

The product doesn't contain any substances that are known to be hazardous in the concentrations used in the product.

Other information regarding health hazards of the product

Ingestion	Ingestion of large amounts may cause nausea and vomiting. May have a laxative effect on the gastrointestinal tract.
Inhalation	May not cause any health hazard.
Skin contact	Prolonged contact with skin may cause irritation.
Eye contact	May cause a reversible eye irritation.
Ingestion	Ingestion of large amounts may cause nausea and vomiting.

Irritation/Corrosion

Assessment of the irritant effect:

Not irritating to eyes and skin.

Experimental/calculated data:

Not available.

Sensitization by inhalation/skin contact

Assessment of sensibility for the product:

The product doesn't contain any sensitizing agents.

Germ cell mutagenicity

Assessment of mutagenicity for the product:

The chemical structure doesn't indicate any mutagenic effects.

Carcinogenicity

Assessment of carcinogenicity for the product:

The chemical structure doesn't indicate any carcinogenic effects.

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Reproduction toxicity

Assessment of reproduction toxicity for the product:

The chemical structure doesn't indicate any reproduction toxic effects.

Developmental toxicity

Assessment of teratogenicity for the product:

The chemical structure doesn't indicate any teratogenic effects.

Specific target organ toxicity (single exposure)

STOT assessment single dos toxicity:

Based on available information is an organ specific toxicity not expected for the product.

Repeated dose toxicity and specific organ toxicity (repeated exposure)

STOT assessment of repeated dose toxicity:

Based on available information is an organ specific toxicity not expected for the product.

Aspiration

There is no danger of aspiration.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Acute toxicity in the aquatic environment of the product

Test	Value/unit	Test method	Exp. time	Species
Fish LC50	> 100 mg/l		96 h	--
Daphnia EC50	> 100 mg/l		48 h	Daphnia magna
Algae IC50	> 100 mg/l		72 h	Green alga

Calculated values. The product doesn't contain any substances that are known to be dangerous for the environment in the concentrations used in the product.

Ecotoxicity	The product is not expected to be harmful to aquatic organisms.
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12.2 Persistence and degradability

Conclusion/Summary	The product as such will be classified as not readily biodegradable.
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12.3 Bioaccumulative potential

Conclusion/Summary	Bioaccumulation is not expected.
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12.4 Abiotic degradation

Not available.

12.5 Mobility in soil

Soil/water partition coefficient (KOC)	This product is viscous and soluble in water.
Mobility	The product is not expected to be mobile in the soil profile.

12.6 Results of PBT and vPvB assessment

The product contains no substances which are identified as a PBT substance. (substance that is persistent, bioaccumulative and toxic).

12.7 Other adverse effects

None.

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12.8 Environmental release

According to the EU chemical legislation in force and based on the information above, the product is not classified as dangerous for the environmental.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Method of disposal	Dispose of in accordance with local regulations. See EWC-code below.
Hazardous waste	No.

Packaging

Method of disposal	Disposal of contaminated product as an unused product. Dispose of in accordance with local regulations. See EWC-code below.
Hazardous waste	No.
Special precautions	Not relevant

European Waste Catalogue (EWC)

EWC Waste Code	Type of waste
02 01 09	Agrochemical waste other than those mentioned in 02 01 08.

14. TRANSPORT INFORMATION

Product classified as dangerous goods: Yes No Not decided

14.7 Bulk transport in accordance with annex II of convention Marpol 73/78 and IBC-code

Not applicable.

15. REGULATORY INFORMATION

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

Safety data sheet prepared in accordance with Regulation (EC) No 67/548/EG, 1999/45/EC is available under section 2. This Safety Data Sheet is prepared in accordance with Annex II of the REACH Regulation (EC) 1907/2006 and Regulation (EC) No. 453/2010 Appendix I.

Authorisation	Not required.
Restriction in use	None.
Other EU legislation	This product contains no substances covered by the Seveso Directive, no ozone depleting substance and no a persistent organic pollutant.
Other National legislation	Not required.

15.2 Chemical Safety Assessment

Not relevant for mixtures.

16. OTHER INFORMATION

THE PRODUCER'S NOTES

Safety data sheet prepared and approved by Bara Mineraler AB, Sweden.

Further information

No labelling required. Safety data sheet available for professional user on request.

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LIST OF R-PHRASES MENTIONED UNDER SECTION 2 AND 3

No.	R-phrases
R10	Flammable.
R22	Harmful if swallowed.
R35	Causes severe burns.
R41	Risk of serious damage to eyes.

LIST OF HAZARD STATEMENTS MENTIONED UNDER SECTION 2 AND 3

No.	H-Statements
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes Serious eye damage.

Revision summary

Version	Revision Date	Responsible party	Changes in the following sections
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