SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Version: 1.2/eng **Revision date: 2018-04-25** **Date old version: 2016-01-10**

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

1.1 Product identifier

Trade name: **Brogårdsand (all qualities)**
Product type: Washed, dried and sieved sand.
Registration no: Exempted acc to item 2 § (7) REACH

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

The products are used as raw material or finished product in many different applications.

1.3 Details of the supplier of the safety data sheet

Name: Brogårdsand AB
Adress: Box 117
566 22 Habo

Phone no: 010 – 455 20 40
Fax no: 010 – 455 23 91
E-post: info@brogardsand.se

1.4 Emergency telephone number

Acute: 112 – ask for Poison information center
Emergency telephone number at company: 010 – 455 20 40
Available outside office hours: ☐ Yes ☒ No

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to1272/2008/EG

Not classified as flammable or harmful to health or environment

Health: not classified as harmful to health.

Environment: Not classified as harmful to the environment.

Fire: Not classified as flammable.

2.2 Label elements

H statements:

Labelling according to 1272/2008/EG

Hazard pictogram (s) and signal word

P statements:

Content: Sand containing quartz

*2.3 Other hazards

Since the sand contains quartz, there are national restrictions regarding dry blasting. See Section 15.
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Result of PBT/vPvB-assessment:
Based on available data the product does not contain any PBT-substances or vPvB-substances according to 1907/2006/EC (REACH) enclosure XIII.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Chemical characterization: Substances

Classification according to CLP-regulation (1272/2008/EC)

Dangerous component	Conc. (%)	CAS NO	EINECS	Code for danger class and category	Hazard statements
SiO_2**	70-95	14808-60-7	238-878-4		

*** The classification of quartz depends on the amount of respirable crystalline quartz. The sand used in this product contains < 1% respirable crystalline quartz and is consequently not classified as harmful to health.*

For the wording of the listed risk phrases refer to section 16.

4 FIRST AID MEASURES

4.1 Description of first aid measures

General information: Seek medical attention and show this safety data sheet.

After inhalation: Fresh air. Wash nose, mouth and throat with water.

After skin contact:

After eye contact: Flush the eyes immediately with temperated water.

After swallowing:

4.2 Most important symptoms and effects, both acute and delayed

After inhalation: Long exposure to high concentrations of dust containing quartz may cause damage to the lungs (silicos).

After skin contact:

After eye contact:

After swallowing:

4.3 Indication of any immediate medical attention and special treatment needed

Always get medical attention if symptoms remain. Don't give anything through the mouth to an unconscious person. Follow the advice given in section 4.1

5 FIREFIGHTING MEASURES

5.1 Extinguishing media
The product is not combustible.

Suitable extinguishing agents Use extinguishing agents suitable for the surrounding fire.

Unsuitable extinguishing agents No special recommendations.

5.2 Special hazards arising from the substance or mixture
No information available for the product.

5.3 Advice for firefighters
During all firefighting suitable protective equipment should be used. Protective suit covering the whole body and fresh air mask is recommended.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Avoid formation of dust. Avoid contact with respiratory tracts, skin and eyes. Use suitable protective equipment, see section 8.

6.2 Environmental precautions
Avoid spreading of dust.

6.3 Methods and material for containment and cleaning up
Product spill should be collected carefully and put in special containers for waste handling. Avoid dust formation and spreading of dust. .

6.4 Reference to other sections
See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment and Section 13 for waste handling.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid dust formation.
The work place shall have an eye shower with temperated water.

General protective and hygienic measures
Wash hands after work is finished, before eating and smoking and after visit to the toilet. No smoking, eating and drinking at the work place.

7.2 Conditions for safe storage, including any incompatibilities

7.3 Specific end use(s)
See technical datasheet for further information.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Swedish national occupational exposure limit values

Substance	Cas-no	Threshold value (TLV)	Short term value (STV)	Remark
Dust, inorganic	---	10 mg/m^3 (inhalation) 5 mg/m^3 (respirable)	---	
Quartz (SiO_2)	14808-60-7	0,1 mg/m^3 (respirable)	---	C, M

*Ref: AFS 2018:1 (Occupational exposure limit values)

8.2 Exposure controls

Technical control measures

Use good general ventilation and local process ventilation at risk of dust formation.

Personal protective equipment

Eye protection:

Protection of hands:

Body protection:

Respiratory protection: In case of exposure to dust use respiratory filter device with particle filter P3.

Thermal hazards : Not applicable for the product

Control of exposure to the environment, see Section 6 and 13.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Light yellow - Grey sand
Odour:	no smell
Odour threshold:	-
pH:	Not applicable
Melting point:	Not applicable
Boiing point:	Not applicable
Flash point:	Not applicable
Flammability:	The product is not flammable
Evaporation rate:	Not applicable
Vapour pressure:	Not applicable
Vapour density:	Not applicable
Relative density:	ca 1500 kg/m^3 (bulk density) ca 2650 kg/m^3 (material density)
Solubility in water:	Not soluble
Partition coefficient:	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 other information is available for the product.

10 STABILITY AND REACTIVITY

10.1 Reactivity None known

10.2 Chemical stability The product is stable if used according to supplier instructions.

10.3 Possibility of hazardous reactions None known.

10.4 Conditions to avoid None known.

10.5 Incompatible materials None known.

10.6 Hazardous decomposition products None known.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity The product is not classified as acute toxic.

Irritation The product is not classified as irritating.

Corrosivity The product is not classified as corrosive.

Sensitisation The product is not classified as sensitising.

Repeated dose toxicity Longterm exposure to high concentrations of fust containintg quartz may cause damage to the lungs (silicos).

Carcinogenicity The product is not classified as cancerogene

Mutagenicity The product is not classified as mutagene.

Toxicity for reproduction The product is not classified as toxic for reproduction.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

General effect

The product is not classified as harmful to the environment.

12.2 Persistence and degradability

Biologic degradability is not relevant for inorganic substances.

12.3 Bioaccumulative potential

No information available for the product.

12.4 Mobility in soil

No information available for the product.

12.5 Result of PBT- och vPvB- assessment

Based on available data the product does not contain any PBT-substances or vPvB- according to 1907/2006/EC (REACH) enclosure XIII.

12.6 Other adverse effects

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

The product is handled as construction waste. It is the company that produce the waste that shall define a suitable waste code connected tu industrial sector and process.

Proposal Waste Code acc to swedish Waste legislation ”Avfallsförordningen 2011:927”:

17 09 04 – Mixed construction and demolition waste

14 TRANSPORT INFORMATION

The product is not classified as dangerous goods.

14.1 UN-number	Not applicable
14.2 UN Proper Shipping name	Not applicable
14.3 Transport hazard class(es)	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk acc to Annex II of MARPOL73/78 and the IBC Code	Not applicable

15 REGULATORY INFORMATION

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

National legislations: AFS 2015:02 Quartz

AFS 2005:6 Medical controls in working life

Dry sand blasting

According to national regulations in EU member states, sand containing more than a certain amount of free crystalline silica cannot be used for dry blasting. This amount varies between 1% and 5%, according to country.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out for the product.

16 OTHER INFORMATION

Risk phrases and danger phrases in full text from Section 3.2

Risk phrases:

Danger phrases:

Revision

This version of the Safety Data Sheet substitue all further versions.

Important references and data sources

SDS from suppliers

ESIS (European Chemical Substances Information System) http://esis.jrc.ec.europa.eu/

IMA Europe, Position Paper (February 2010) ”Classification and labelling of respirable crystalline silica (RCS)”

Changes in a section is marked with an * in the margin.