

SAFETY DATA SHEET

Brogårdsand (all qualities)

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 06.03.2019

1.1. Product identifier

Product name Brogårdsand (all qualities)

REACH Reg. No., comments Exempted according to 2 § (7) REACH

CAS No. 14808-60-7 EC No. 238-878-4

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

Product group Washed, dried and sieved sand.

Use of the substance / preparation 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

Producer

Company name Brogårdsand AB

Postal address Box 117

Postcode 566 22

City Habo

Country Sverige

Telephone number 010 – 455 20 40

Email <u>info@brogardsand.se</u>

1.4. Emergency telephone number

Emergency telephone Telephone number: Acute: 112 – ask for Poison information center Emergency

telephone number at company:: 010-455 20 40 Description: Not available outside office hours

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP classification, comments

No labelling required

Substance / mixture hazardous

properties

The Product is not classified as harmful to the environment The Product is not classified as flammable. The Product is not classified as harmful to health

2.2. Label elements

2.3. Other hazards

PBT / vPvB Based on available data the product does not contain any PBT-substances or

vPvB-substances according to 1907/2006/EC (REACH) enclosure XIII.

Other hazards Since the sand contains quartz, there are national restrictions regarding dry

blasting. See Section 15.

SECTION 3: Composition / information on ingredients

3.1. Substances

Substance Identification Classification Contents

Sand containing quartz CAS No.: 14808-60-7 (SiO2) ** EC No.: 238-878-4

Remarks, substance ** 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.

SECTION 4: First aid measures

4.1. Description of first aid measures

General Seek medical attention and show this safety data sheet.

Inhalation Fresh air. Wash nose, mouth and throat with water. Get Medical advice if

symtoms remain.

Eye contact In case of dust in the eyes, flush with water.

4.2. Most important symptoms and effects, both acute and delayed

Delayed symptoms and effects Long exposure to high concentrations of dust containing quartz may cause

damage to the lungs (silicos).

4.3. Indication of any immediate medical attention and special treatment needed

Medical treatment 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

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

No special recommendations

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards

The Product is not combustible

5.3. Advice for firefighters

Special protective equipment for firefighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures

Use suitable protective equipment, see section 8. Avoid formation of dust. Avoid contact with respiratory tracts.

6.2. Environmental precautions

Environmental precautionary measures

Avoid spreading of dust.

6.3. Methods and material for containment and cleaning up

Containment

Product spill should be collected carefully and put in special containers for waste handling

6.4. Reference to other sections

Other instructions

See Section 8 for further information on personal protection equipment and Section 13 for waste handling.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling

"In case of abrasive handling dust containing quartz may arise" (e.g. blowing the sand into silo, transport in tubing with compressed air).

Protective safety measures

Protective safety measures

Avoid dust formation.

Advice on general occupational

hygiene

The work place shall have an eye shower with tempered water.

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)

Recommendations

See technical data sheet for further information.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Value	TWA Year
Inorganic dust		Country of origin: Sverige Limit value type: NGV TWA (8h): 2,5 mg/m³ Source: AFS 2018:1 Comments: 2,5 mg/m³ (Respirabelt), 5 mg/m³ (Inhalerbart)	
Quartz	CAS No.: 14808-60-7	Country of origin: Sverige Limit value type: NGV TWA (8h): 0,1 mg/m³ Exposure limit letter Letter description: C,M Source: AFS 2018:1	

8.2. Exposure controls

Safety signs



Precautionary measures to prevent exposure

formation

Respiratory protection

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

at

Thermal hazards

Thermal hazards Not applicable for the product

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state sand

Colour light brown - grey

Odour None

Flammability (solid, gas)

The product is not combustible.

Relative density Value: 1500

Method: kg/m3

Comments: bulk density

Value: 2650 Method: kg/m3

Comments: material density

Solubility Medium: Water

Comments: not soluble

9.2. Other information

Other physical and chemical properties

Physical and chemical properties No other information is available for the product.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity The product is stable if used and stored according to supplier instructions

10.2. Chemical stability

Stability The product is stable if used and stored according to supplier instructions

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions none known

10.4. Conditions to avoid

Conditions to avoid none known

10.5. Incompatible materials

Materials to avoid none known

10.6. Hazardous decomposition products

Hazardous decomposition products

none known

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Other information regarding health hazards

Acute toxicity, human experience The product is not classified as acute toxic.

Skin corrosion / irritation, other

information

The product is not classified as irritating or corrosive.

General respiratory or skin

The product is not classified as sensitising.

sensitisation

The product is not classified as mutagene.

Germ cell mutagenicity, human experience

Carcinogenicity, other information

The product is not classified as cancerogene.

Reproductive toxicity

The product is not classified as toxic for reproduction..

Other adverse toxicological
effects

Longterm exposure to high concentrations of dust containint quartz may cause damage to the lungs (silicos).

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity The product is not classified as harmful to the environment.. Ecological data for

the Product is not available.

12.2. Persistence and degradability

Persistence and degradability description

Biodegradability is not relevant for inorganic substances

12.3. Bioaccumulative potential

Bioaccumulative potential No information available for the product.

12.4. Mobility in soil

Mobility No information available for the product.

12.5. Results of PBT and vPvB assessment

PBT assessment results 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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal

The product is handled as construction waste. It is the responisbility of the company producing the waste to define a suitable waste code connected to

industrial sector and process.

EWC waste code: 170904 mixed construction and demolition wastes other than

those mentioned in 17 09 01, 17 09 02 and 17 09 03

Classified as hazardous waste: No

National regulations Swedish Waste legislation "Avfallsförordningen SFS 2011:927" Local waste

regulations

SECTION 14: Transport information

Dangerous goods No

14.1. UN number

14.2. UN proper shipping name

Technical name / danger releasing

substance IMDG

not relevant

Technical name / danger releasing

Not relevant

substance ICAO

14.3. Transport hazard class(es)

Comments Not relevant

14.4. Packing group

Comments Not relevant

14.5. Environmental hazards

ADR / RID / ADN Not relevant

IMDG Not relevant ICAO / IATA

14.6. Special precautions for user

Special safety precautions for user Not relevant

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

No

Transport in bulk (yes/no)

SECTION 15: Regulatory information

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

National regulations Swedish waste regulation "Avfallsförordningen SFS 2011:927" Swedish regulation

> "Hygienic threshold values" (AFS 2018:1) Swedish regulation "Chemical work Environment risks " (AFS 2011:19) Swedish regulation "AFS 2005:6 - Medical

Controls in work Life"

Legislation and regulations IMA Europe, Position Paper (February 2010) "Classification and labelling of

respirable crystalline silica (RCS)" ECHA, European Chemicals Agency,

https://echa.europa.eu/sv/home

Comments 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

Chemical safety assessment

performed

No

SECTION 16: Other information

Version 1

Comments This version replaces all earlier versions