

Brogårdsand (all qualities)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name

Brogårdsand (all qualities)

CAS number

14808-60-7

EC number

238-878-4

REACH registration number

This substance is exempted according to REACH Article 2 (7) and Annex V.

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

Product type

Washed, dried and sieved sand

Relevant identified uses

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

Supplier

Brogårdsand AB

Street address

Brogården

566 92 Habo

Sweden

Telephone

010-455 20 40

Email

info@brogardsand.se

Web site

www.brogardsand.se

1.4. Emergency telephone number

112 - ask for Swedish Poisons Information Centre

Available outside office hours

Yes

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as hazardous according to Regulation (EC) No 1272/2008.

2.2. Label elements

The product does not require labelling in accordance with CLP Regulation (EC) No 1272/2008.

2.3. Other hazards

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

This substance does not have endocrine disrupting properties with respect to humans. This substance does not have endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
Sand containing quartz	14808-60-7 238-878-4 - -	100%	-	- - -	-

Substance additional information

The classification of quartz depends on the amount of respirable crystalline quartz. The aggregate 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

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a doctor if you feel unwell.

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Eye contact

In case of dust in the eyes, flush with water

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

Long exposure to high concentrations of dust containing quartz may cause damage to the lungs (silicosis).

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use extinguishing agents suitable for the surrounding fire.

The product itself does not burn.

5.2. Special hazards arising from the substance or mixture

No data available

5.3. Advice for firefighters

Special protective equipment for fire-fighters

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

Avoid dust formation. Do not breathe dust. Wear personal protection equipment (refer to 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.

6.4. Reference to other sections

Personal protection equipment: see section 8 Disposal: see section 13

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

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

The work place shall have an eye shower with tempered water

General hygiene

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

7.2. Conditions for safe storage, including any incompatibilities

No special measures are necessary.

7.3. Specific end use(s)

Since the sand contains quartz, there are Swedish national restrictions regarding dry blasting (AFS2015:2)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure limits

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m ³	Source	Remark	Year
Sand containing quartz	14808-60-7 238-878-4	- 0.1	AFS 2018:1, Sweden	C, M, Respirable fraction of quartz	2018
Dust, inorganic	- -	- 5	AFS 2018:1	Inhalable fraction	2018
Dust, inorganic	- -	- 2.5	AFS 2018:1	Respirable fraction	2018

8.2. Exposure controls

Appropriate engineering controls

Avoid dust formation. Provide adequate ventilation as well as local exhaust at critical locations.

Respiratory protection

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

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Solid – Dusty

Colour

light brown - grey

Odour

odourless

Melting point / freezing point

No data available

Boiling point or initial boiling point and boiling range

Not applicable

Flammability

The product is not combustible.

Lower and upper explosion limit

Not applicable

Flash point

No data available

Auto-ignition temperature

Not applicable

Decomposition temperature

Not applicable

pH

Not applicable

Kinematic viscosity

Not applicable

Solubility

The substance is not soluble in water.

Partition coefficient n-octanol/water

Not applicable

Vapour pressure

No data available

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Density and/or relative density

1500 kg/m³

Method

Bulk density

Relative vapour density

Not applicable

Particle characteristics

Information of particle size distribution can be found in the technical data sheet of the product.

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

None known

10.2. Chemical stability

Stable under recommended storage and handling conditions.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

None known

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

None known

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

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Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Endocrine disrupting properties

Not applicable

Other information

Long exposure to high concentrations of dust containing quartz may cause damage to the lungs (silicosis).

SECTION 12: Ecological information

12.1. Toxicity

Toxicity

The product is not classified as harmful to the environment.

12.2. Persistence and degradability

Not applicable for inorganic substances. The methods for determining the biological degradability are not applicable to inorganic substances.

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

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12.5. Results of PBT and vPvB assessment

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

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

Other adverse effects

None known

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

The product is handled as construction waste. For waste treatment an appropriate waste code must be used (see SFS 2020:614). It is the responsibility of the company producing the waste to define a appropriate waste code connected to industrial sector and process.

Packaging

Empty the sacks completely. Plastic packages can be recycled. Mixed packages can be incinerated. Handle them in accordance with national and local regulations.

Waste code	Description
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
15 01 02	plastic packaging
15 01 06	mixed packaging

Please note - an asterisk (*) next to a code denotes that it is HAZARDOUS WASTE.

SECTION 14: Transport information

14.1. UN number

Not classified as dangerous goods.

14.2. UN proper shipping name

Not applicable

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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. Maritime transport in bulk according to IMO instruments

Not applicable

Other

Not applicable

SECTION 15: Regulatory information

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

National regulations

Kvarts - stendamm i arbetsmiljön (AFS 2015:2). (Provision about Quartz in work environment)

Hygieniska gränsvärden (AFS 2018:1) (Provision about Occupational exposure limits)

Avfallsförordning (SFS 2020:614) (Swedish regulation about waste)

Other regulations, limitations and legal regulations

Position Paper Classification and labelling of crystalline silica (fine fraction), IMA Europe, May 2020.

NEPSI Good Practice Guide -<https://guide.nepsi.eu/> - Users of this guide are advised to consult occupational health professionals and other experts for all matters concerning the control of respirable crystalline silica in each specific workplace.

15.2. Chemical safety assessment

No Chemical safety report is performed

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SECTION 16: Other information

Abbreviations

AFS= Provisions of Swedish work environment authority

SFS= Swedish Code of Statutes

IMO= International Maritime Organization

Section 8: C= The substance is carcinogen, M= Medical examinations

Evaluation methods for classification

Position Paper Classification and labelling of crystalline silica (fine fraction), IMA Europe, May 2020.