

# 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.<br>EC No.<br>REACH No.<br>Index No. | Concentration | Classification | H-phrase<br>M factor acute<br>M factor chronic | Note |
|------------------------|---------------------------------------------|---------------|----------------|------------------------------------------------|------|
| Sand containing quartz | 14808-60-7<br>238-878-4<br>-<br>-           | 100%          | -              | -<br>-<br>-                                    | -    |

#### 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.<br>EC No.       | Exposure limit<br>ppm / mg/m <sup>3</sup> | Source                | Remark                                 | Year |
|------------------------|-------------------------|-------------------------------------------|-----------------------|----------------------------------------|------|
| Sand containing quartz | 14808-60-7<br>238-878-4 | -<br>0.1                                  | AFS 2018:1,<br>Sweden | C, M, Respirable fraction<br>of quartz | 2018 |
| Dust, inorganic        | -<br>-                  | -<br>5                                    | AFS 2018:1            | Inhalable fraction                     | 2018 |
| Dust, inorganic        | -<br>-                  | -<br>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/m<sup>3</sup>**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.