

# Safety Data Sheet

## DANSAND® Firm Fix

Replaces date: 02/02/2023

Revision date: 16/05/2024

Version: 4.0.0

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

#### 1.1. Product identifier

**Trade name:** DANSAND® Firm Fix

#### Article no

Article no	Description
600912	DANSAND® Firm Fix

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

**Recommended uses:** Jointing sand for tiles and paving.

**Inadvisable uses:** None.

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

**Company:** Dansand A/S  
**Address:** Lervejdal 8b, Addit  
**Zip code:** 8740  
**City:** Brædstrup  
**Country:** DENMARK  
**E-mail:** info@dansand.dk  
**Phone:** 86 82 58 11  
**Homepage:** <https://dansand.dk/>  
**Contact person:** Name: Morten Grundvad, E-mail: mg@dansand.dk

#### 1.4. Emergency Telephone Number

In case of a medical emergency following exposure to a chemical call NHS 111 - only available in certain areas of England (outside of these areas call NHS Direct on 0845 4647). The National Poisons Information Service emergency number is 0344 892 0111 (only available to health professionals).  
The emergency telephone is open 24 hours.

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**CLP-classification:** The product shall not be classified as hazardous according to the classification and labeling rules for substance and mixtures.

**Most serious harmful effects:** The product shall not be classified as hazardous according to the classification and labelling rules for substances and mixtures.

#### 2.2. Label elements

##### Supplemental information

EUH210 Safety data sheet available on request.

The product contains less than 2 mg water soluble chromate/kg dry cement. This limit will not be exceeded for 18 months after the packing date by dry storage.

#### 2.3. Other hazards

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Dust may irritate eyes and airways.  
May cause slight irritation to the skin.  
The product does not contain any PBT or vPvB substances.  
The product does not contain any endocrine disruptors.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

Substance	CAS No./ EC No./ REACH Reg. No.	Concentration	Notes	CLP-classification
Quartz, not respirable	14808-60-7 238-878-4 -	> 92.5 %	13	
Portland Cement	65997-15-1 266-043-4 -	< 1 %		Skin Irrit. 2;H315 Eye Dam. 1;H318 STOT SE 3;H335

Please see section 16 for the full text of H- / EUH-phrases.

13 = The substance has a national exposure limit.

**Ingredient comments:** The product contains no respirable dust (particle size less than 0.005 mm: 0 %) at delivery.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**Inhalation:** Seek fresh air. If necessary wash out mouth with water and blow nose thoroughly.

**Ingestion:** Rinse mouth and drink plenty of water. Seek medical advice in case of persistent discomfort.

**Skin contact:** Wash skin with water and apply fat cream if necessary. Seek medical advice in case of eczema or other skin discomforts.

**Eye contact:** Rinse immediately with water. Open eyes wide. Remove any contact lenses. Seek medical advice if irritation persists.

**Burns:** Not relevant.

**General:** When obtaining medical advice, show the safety data sheet or label.

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

Dust may irritate eyes and airways.  
May have a slight drying/irritating effect on skin.

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

No special immediate treatment required.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media:** Non-combustible. Use extinguishing media appropriate to surrounding fire conditions.

**Unsuitable extinguishing media:** None known.

#### 5.2. Special hazards arising from the substance or mixture

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None known.

### 5.3. Advice for firefighters

Coordinate with fire in surroundings. If there is a risk of exposure to vapour and fumes, wear a full-face positive-pressure self-contained breathing apparatus and gloves resistant to chemicals.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel:** Use tight fitting goggles if dust is generated.  
In case of risk of inhalation of dust, use respiratory protective equipment.

**For emergency responders:** Use tight fitting goggles if dust is generated.  
In case of risk of inhalation of dust, use respiratory protective equipment.

### 6.2. Environmental precautions

Do not discharge into drains or water courses.

### 6.3. Methods and material for containment and cleaning up

Sweep up/collect spills for possible reuse or transfer to suitable waste containers.  
Avoid dust generation. Dampen spillage with water if necessary.

### 6.4. Reference to other sections

See section 8 for type of protective equipment.  
See section 13 for instructions on disposal.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid inhalation of dust.  
Avoid formation of dust.  
Avoid contact with skin and eyes.  
Eye wash should be available.  
See section 8 for information about precautions for use and personal protective equipment.  
The product must not be used after the expiry date or if it has absorbed moisture as this may cause risk of developing chromate allergy.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry place.  
Seal opened containers and use up as soon as possible. When stored in humid conditions, the chromate neutralisation will decrease.

### 7.3. Specific end use(s)

Specific end use – see section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limit

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Substance name	Time period	ppm	mg/m <sup>3</sup>	fiber/cm <sup>3</sup>	Remarks	Comments
Portland Cement	8h		10		inhalable dust	
Portland Cement	8h		4		respirable dust	
Mineral dust	8h		10		inhalable dust	
Mineral dust	8h		4		respirable	
(Quartz (silica, respirable crystalline (respirable fraction))	8h		0.1		Carc (where generated as a result of a work process)	

**Measuring methods:** Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

**Legal basis:** EH40/2005 Workplace exposure limits (Fourth Edition 2020).

### 8.2. Exposure controls

**Appropriate engineering controls:** Provide adequate ventilation.

Wear the personal protective equipment specified below.

Wash hands before breaks, eating, toilet visits and after work. Use mild soap and water and apply skin cream after washing.

**Personal protective equipment, eye/face protection:** Wear tight fitting safety goggles if work is dusty. Eye protection must conform to EN 166/16321.

**Personal protective equipment, hand protection:** For prolonged or repeated skin contact the use of plastic or rubber gloves is advisable. Gloves must conform to EN 374.

**Personal protective equipment, respiratory protection:** Wear a half mask or full-face mask with P2 or P3 filter if work is dusty. Respiratory protection must conform to one of the following standards: EN 136/140/149.

**Environmental exposure controls:** No special requirements.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Fine-grained material
Colour	Natural
Odour	None
Solubility	Insoluble in water

Parameter	Value/unit	Remarks
Odour threshold	ppm	Not applicable
Melting point	°C	1710 °C (quartz sand)
Freezing point	°C	No data available
Initial boiling point and boiling range	°C	2230 °C (quartz sand)
Flammability (solid, gas)		Not applicable
Flammability limits		Not applicable
Explosion limits	vol%	Not applicable

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Flash Point	°C	Not applicable
Auto-ignition temperature	°C	Not applicable
Decomposition temperature:	°C	Not applicable
pH (solution for use)		Approx. 7 (100 g/l water)
pH (concentrate)		Not applicable
Kinematic viscosity	cSt	Not applicable
Viscosity	cP	Not applicable
Partition coefficient n-octanol/water		Not applicable
Vapour pressure	hPa	Not applicable
Density		Approx. 1.5 g/cm <sup>3</sup> (bulk)
Relative density	g/cm <sup>3</sup>	No data available
Vapour density		Not applicable
Relative density (sat. air)		Not applicable
Particle characteristics		Particle size: > 0.005 mm

### 9.2. Other information

**Other Information:** None.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Not reactive.

### 10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

### 10.3. Possibility of hazardous reactions

No risk of hazardous reactions.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

Hydrogen fluoride (hydrofluoric acid).

### 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

**Acute toxicity - oral:** Ingestion of large quantities may cause discomfort.  
The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

**Acute toxicity - dermal:** The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

**Acute toxicity - inhalation:** The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

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<b>Skin corrosion/irritation:</b>	Dust may have a slight drying/irritating effect on skin. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.
<b>Serious eye damage/eye irritation:</b>	Dust in the eyes may cause irritation/mechanical irritation. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.
<b>Respiratory sensitisation or skin sensitisation:</b>	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.
<b>Germ cell mutagenicity:</b>	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.
<b>Carcinogenic properties:</b>	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.
<b>Reproductive toxicity:</b>	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.
<b>Single STOT exposure:</b>	Inhalation of dust may cause irritation of the airways. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.
<b>Repeated STOT exposure:</b>	The product contains no respirable silica dust at delivery. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.
<b>Aspiration hazard:</b>	No hazards.

### 11.2. Information on other hazards

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**Endocrine disrupting properties:** The product does not contain any endocrine disruptors.

**Other toxicological effects:** None known.

## SECTION 12: Ecological information

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### 12.1. Toxicity

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The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

### 12.2. Persistence and degradability

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The product is not biodegradable.

### 12.3. Bioaccumulative potential

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Does not bioaccumulate.

### 12.4. Mobility in soil

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Negligible.

### 12.5. Results of PBT and vPvB assessment

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The product does not contain any PBT or vPvB substances.

### 12.6. Endocrine disrupting properties

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The product does not contain any endocrine disruptors.

### 12.7. Other adverse effects

None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Any left-over product should be disposed of in accordance with local regulations.

**Category of waste:** EWC code: 17 01 07 mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06

## SECTION 14: Transport information

**14.1. UN number or ID 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

None.

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

**Other Information:** The product is not classified as dangerous goods.

## SECTION 15: Regulatory information

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

**Special Provisions:** EH40/2005 Workplace exposure limits (Fourth Edition 2020).

### 15.2. Chemical Safety Assessment

**Other Information:** No chemical safety assessment has been carried out.

## SECTION 16: Other information

### Version history and indication of changes

Version	Revision date	Responsible	Changes
4.0.0	16/05/2024	Susanne Brandt Hansen	Changes in section 1, 8, 9 and 16.

### Abbreviations:

PBT: Persistent, Bioaccumulative and Toxic.  
vPvB: very Persistent and very Bioaccumulative.  
CLP: CLP-Regulation (EC) No 1272/2008 (Classification, Labelling and Packaging).  
Skin Irrit.: Skin irritation.  
Eye Dam.: Serious eye damage.  
STOT SE: Specific target organ toxicity — single exposure.

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**Other Information:** The safety data sheet is prepared from information provided by the supplier about physical/chemical properties and all ingredients in the product.  
The safety data sheet has been prepared for and applies to this product only.  
The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.

**Training advice:** The user must be instructed in the proper work procedure and be familiar with the contents of this safety data sheet.

**Classification method:** Calculation based on the hazards of the known components.

### Hazard statements

H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.

### Supplemental hazard information

EUH210 Safety data sheet available on request.

### SDS is prepared by

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