

## SAFETY DATA SHEET

# Dencrete HF

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

#### 1.1. Product identifier

Trade name

Dencrete HF

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

Relevant identified uses of the substance or mixture

Paint binder

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

Company and address

Dencoat

E-mail: [info@dencoat.com](mailto:info@dencoat.com)

Website: [www.dencoat.com](http://www.dencoat.com)

SDS date

2025-04-10

SDS Version

1.1

#### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

### SECTION 2: Hazards identification

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

Skin Irrit. 2; H315, Causes skin irritation.

Skin Sens. 1; H317, May cause an allergic skin reaction.

Eye Dam. 1; H318, Causes serious eye damage.

STOT SE 3; H335, May cause respiratory irritation.

#### 2.2. Label elements

Hazard pictogram(s)



Signal word

Danger

Hazard statement(s)

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye damage.

According to EC-Regulation 2015/830

May cause respiratory irritation.

#### Safety statement(s)

##### General

##### Prevention

P280, Wear protective gloves/eye protection/protective clothing.

P261, Avoid breathing vapour/mist/dust/spray/gas.

##### Response

P305+P351+P338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310, Immediately call a POISON CENTER/doctor.

##### Storage

##### Disposal

#### Hazardous substances

Cement, portland, chemicals

Calcium dihydroxide

#### 2.3. Other hazards

##### Additional labelling

The content of water-soluble chromate is less than 2 ppm in dry storage up to 12 months from production date. If stored under moist conditions, chromate reduction may be impaired.

##### VOC

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

#### 3.2 Mixtures

| Product/Ingredient name     | Identifier number  | % w/w  | CLP   | Note |
|-----------------------------|--|--------|---|------|
| Quartz sand                 | CAS No.: 14808-60-7<br>EC No.: 238-878-4<br>REACH No.:<br>Index No.: | 25-80% |   |      |
| Cement, portland, chemicals | CAS No.: 65997-15-1<br>EC No.: 266-043-4<br>REACH No.:<br>Index No.: | 10-50% | Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Eye Dam. 1, H318<br>STOT SE 3, H335 |      |
| Calcium dihydroxide         | CAS No.: 1305-62-0<br>EC No.: 215-137-3<br>REACH No.:<br>Index No.:  | 5-25%  | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>STOT SE 3, H335                        | EU   |

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### Other information

EU: European occupational exposure limit

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

According to EC-Regulation 2015/830

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### Inhalation

Bring the person into fresh air and stay with him/her.

#### Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

#### Eye contact

Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing.

#### Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

#### Burns

Not applicable

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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs.

Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

IF exposed or concerned:

Get immediate medical advice/attention.

Call a POISON CENTER/doctor if you feel unwell.

If skin irritation or rash occurs: Get medical advice/attention.

#### Information to medics

Bring this safety data sheet.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Extinguish fire with carbonic acid, powder or foam. Do not use water, as this will spread the fire.

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

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced.

These are:

Some metal oxides.

#### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

### SECTION 6: Accidental release measures

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

Avoid direct contact with spilled substances.

Avoid inhalation of vapours from spilled material.

#### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

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

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

#### 6.4. Reference to other sections

See section on "Disposal considerations" in regard of handling of waste.

See section on 'Exposure controls/personal protection' for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms.  
 See section on 'Exposure controls/personal protection' for information on personal protection.

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

Always store in containers of the same material as the original container.  
 Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

#### Storage temperature

No specific requirements

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Calcium dihydroxide

Long term exposure limit (8 hours): 5(inhalable)/1(respirable) mg/m<sup>3</sup>

Short term exposure limit (15 minutes): 4(respirable) mg/m<sup>3</sup>

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.

### 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

#### General recommendations

Smoking, eating and drinking are not allowed in the work premises

#### Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

#### Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

#### Appropriate technical measures

Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above).  
 Installation of an exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

#### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

#### Measures to avoid environmental exposure

No specific requirements

### Individual protection measures, such as personal protective equipment

#### Generally

Use only CE marked protective equipment.

#### Respiratory Equipment

| Work situation | Recommended Filter type | Class | Colour | Standards |
|----------------|-------------------------|-------|--------|-----------|
|                | S/SL                    | P2    | White  |           |

#### Skin protection

According to EC-Regulation 2015/830

| Recommended  | Standards | Type/Category |
|--|-----------|---------------|
| Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester. | -         | -             |



#### Hand protection

| Material | Glove thickness (mm) | Breakthrough time (min) | EN Standard(s)          |
|----------|----------------------|-------------------------|-------------------------|
| Nitrile  | 0.2                  | > 30                    | EN374-2, EN374-3, EN388 |



#### Eye protection

| Recommended                            | Standards |
|--|-----------|
| Wear safety glasses with side shields. |           |

## SECTION 9: Physical and chemical properties

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

#### Form

No data available

#### Colour

No data available

#### Odour

No data available

#### Odour threshold (ppm)

No data available

#### pH

No data available

#### Density (g/cm³)

No data available

#### Viscosity

No data available

#### Phase changes

##### Melting point (°C)

No data available

##### Boiling point (°C)

No data available

##### Vapour pressure

No data available

##### Vapour density

No data available

##### Decomposition temperature (°C)

No data available

##### Evaporation rate (n-butylacetate = 100)

No data available

#### Data on fire and explosion hazards

##### Flash point (°C)

No data available

##### Ignition (°C)

No data available

##### Auto flammability (°C)

According to EC-Regulation 2015/830

No data available  
 Explosion limits (% v/v)  
 No data available  
 Explosive properties  
 No data available  
 Oxidizing properties  
 No data available

#### Solubility

Solubility in water  
 No data available  
 n-octanol/water coefficient  
 No data available  
 Solubility in fat (g/L)  
 No data available

#### 9.2. Other information

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No data available

#### 10.2. Chemical stability

The product is stable under the conditions, noted in the section "Handling and storage".

#### 10.3. Possibility of hazardous reactions

No special

#### 10.4. Conditions to avoid

No special

#### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

#### 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

| Product/Ingredient name | Species | Test | Route of exposure | Result     |
|-------------------------|---------|------|-------------------|------------|
| Calcium dihydroxide     | Rat     | LD50 | Oral              | 7340 mg/kg |

##### Skin corrosion/irritation

| Product/Ingredient name | Species | Test     | Duration           | Observation Period | Irritation Parameter | Result          |
|-------------------------|---------|----------|--------------------|--------------------|----------------------|-----------------|
| Calcium dihydroxide     | Rabbit  | OECD 404 | No data available. | No data            | -                    | Irriterer huden |

Causes skin irritation.

##### Serious eye damage/irritation

| Product/Ingredient name | Species | Test     | Duration           | Observation Period | Irritation Parameter | Result |
|-------------------------|---------|----------|--------------------|--------------------|----------------------|--------|
| Calcium dihydroxide     | Rabbit  | OECD 405 | No data available. | No data            | -                    |        |

This product contains substances, which may trigger allergic reaction upon dermal contact.

##### Respiratory or skin sensitisation

May cause an allergic skin reaction.

According to EC-Regulation 2015/830

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**STOT-single exposure**

May cause respiratory irritation.

**STOT-repeated exposure**

No data available

**Aspiration hazard**

No data available

**Long term effects**

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs.  
Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

## SECTION 12: Ecological information

### 12.1. Toxicity

| Product/Ingredient name | Species                                 | Test | Duration | Result      |
|-------------------------|---|------|----------|-------------|
| Calcium dihydroxide     | Fish                                    | LC50 | 96 hours | 33,884 mg/l |
| Calcium dihydroxide     | Daphnia (Daphnia magna)                 | EC50 | 48 hours | 49,1 mg/l   |
| Calcium dihydroxide     | Algae (Pseudokirchneriella subcapitata) | EC0  | 72 hours | 184,6 mg/l  |

### 12.2. Persistence and degradability

No data available

### 12.3. Bioaccumulative potential

| Product/Ingredient name | Potential bioaccumulation | LogPow | BCF |
|-------------------------|---------------------------|--------|-----|
| Calcium dihydroxide     | No                        |        |     |

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

### 12.6. Other adverse effects

No special

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

#### EWC code

Not applicable

#### Specific labelling

Not applicable

#### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

**SECTION 14: Transport information****14.1 - 14.4**

Not dangerous goods according to ADR, IATA and IMDG.

**ADR/RID**

Not applicable

**IMDG**

Not applicable

**Marine pollutant**

No

**14.5. Environmental hazards**

Not applicable

**14.6. Special precautions for user**

Not applicable

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

Not applicable

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Restrictions for application**

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

**Demands for specific education**

No special

**SEVESO - Categories / dangerous substances:**

Not applicable

**Additional information**

Not applicable

**Sources**

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).

Regulation (EC) 1907/2006 (REACH).

**15.2. Chemical safety assessment**

No

**SECTION 16: Other information****Full text of H-phrases as mentioned in section 3**

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H318, Causes serious eye damage.

H335, May cause respiratory irritation.

**The full text of identified uses as mentioned in section 1**

SU 13 = Manufacture of other non-metallic mineral products, e.g. plasters, cement

**Abbreviations and acronyms**

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EINECS = European Inventory of Existing Commercial chemical Substances  
ES = Exposure Scenario  
EUH statement = CLP-specific Hazard statement  
EWC = European Waste Catalogue  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IARC = International Agency for Research on Cancer (IARC)  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVCB = Complex hydrocarbon substance  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

#### Additional information

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:  
The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by  
Regulation (EC) No. 1272/2008 (CLP)

#### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.