

## Safety Data Sheet

according to WHMIS

### VITAFOL H Retention crystals

Revision date: 29.03.2023

Product code: 060

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## 1. Identification

### Product identifier

VITAFOL H Retention crystals

### Further trade names

VITAFOL H Haftkristalle, Retention Crystals, Cristaux rétentifs, Cristales adhesivos, Cristalli ritentivi

CAS No: 7631-86-9

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

#### Use of the substance/mixture

Use as laboratory reagent

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

Company name: VITA Zahnfabrik H.Rauter GmbH &amp; Co.KG

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Responsible Department: Regulatory Affairs

**Emergency telephone number:** +49-(0)761-19240

## 2. Hazard identification

### Classification of the substance or mixture

#### **WHMIS 2015**

This substance is not classified as hazardous in accordance with WHMIS 2015.

### Label elements

#### Other hazards

No information available.

## 3. Composition/information on ingredients

### Substances

#### **Chemical characterization**

Product/Substance is inorganic.

#### **Hazardous components**

none (according to WHMIS)

## 4. First-aid measures

### Description of first aid measures

#### **After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.

#### **After ingestion**

Rinse mouth immediately and drink plenty of water.

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#### Most important symptoms and effects, whether acute or delayed

No information available.

#### Indication of immediate medical attention and special treatment needed

Treat symptomatically.

### 5. Fire-fighting measures

#### Extinguishing media

##### **Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

#### Specific hazards arising from the hazardous product

Non-flammable.

#### Special protective equipment and precautions for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

### 6. Accidental release measures

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

##### **General advice**

Avoid dust formation. Do not breathe dust.

#### Environmental precautions

No special environmental measures are necessary. Clean contaminated articles and floor according to the environmental legislation.

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

##### **Other information**

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

#### Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

### 7. Handling and storage

#### Precautions for safe handling

##### **Advice on safe handling**

No special measures are necessary.

##### **Advice on protection against fire and explosion**

No special fire protection measures are necessary.

##### **Advice on general occupational hygiene**

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

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

##### **Requirements for storage rooms and vessels**

Keep container tightly closed.

##### **Hints on joint storage**

No special measures are necessary.

### 8. Exposure controls/Personal protection

#### Control parameters

#### Exposure controls

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

##### Eye/face protection

Wear eye/face protection.

##### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

##### Skin protection

Wear suitable protective clothing.

##### Respiratory protection

Provide adequate ventilation as well as local exhaustion at critical locations. Technical ventilation of workplace

### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

|                 |             |
|-----------------|-------------|
| Physical state: | solid       |
| Colour:         | translucent |
| Odour:          | odourless   |

#### Changes in the physical state

|   |                |
|---|----------------|
| Melting point/freezing point:                             | not determined |
| Boiling point or initial boiling point and boiling range: | > 999 °C       |
| Flash point:  | X              |

#### Flammability

|                         |                |
|-------------------------|----------------|
| Solid/liquid:           | not determined |
| Gas:                    | not applicable |
| Lower explosive limits: | not determined |
| Upper explosive limits: | not determined |

#### Self-ignition temperature

|        |                |
|--------|----------------|
| Solid: | not determined |
| Gas:   | not applicable |

|                            |                |
|----------------------------|----------------|
| Decomposition temperature: | not determined |
|----------------------------|----------------|

|           |                |
|-----------|----------------|
| pH-Value: | not determined |
|-----------|----------------|

|                   |    |
|-------------------|----|
| Water solubility: | No |
|-------------------|----|

#### Solubility in other solvents

not determined

|  |                |
|--|----------------|
| Partition coefficient n-octanol/water: | not determined |
|--|----------------|

|                                |            |
|--------------------------------|------------|
| Vapour pressure:<br>(at 50 °C) | <=1100 hPa |
|--------------------------------|------------|

|          |                           |
|----------|---------------------------|
| Density: | 2,20000 g/cm <sup>3</sup> |
|----------|---------------------------|

|                          |                |
|--------------------------|----------------|
| Relative vapour density: | not determined |
|--------------------------|----------------|

#### Other information

##### Information with regard to physical hazard classes

Oxidizing properties  
Not oxidising.

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#### Other safety characteristics

Solid content: 100,0 %  
Evaporation rate: not determined

#### Further Information

## 10. Stability and reactivity

#### Reactivity

No hazardous reaction when handled and stored according to provisions.

#### Chemical stability

The product is stable under storage at normal ambient temperatures.

#### Possibility of hazardous reactions

No known hazardous reactions.

#### Conditions to avoid

none

#### Incompatible materials

No information available.

#### Hazardous decomposition products

No known hazardous decomposition products.

## 11. Toxicological information

#### Information on toxicological effects

##### **Acute toxicity**

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

##### **Irritation and corrosivity**

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

##### **Sensitizing effects**

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

##### **Carcinogenic/mutagenic/toxic effects for reproduction**

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.

##### **Additional information on tests**

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

## 12. Ecological information

#### Ecotoxicity

The product is not: Ecotoxic.

#### Persistence and degradability

The product has not been tested.

#### Bioaccumulative potential

The product has not been tested.

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#### Mobility in soil

The product has not been tested.

#### Endocrine disrupting properties

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

#### Other adverse effects

No information available.

#### **Further information**

Avoid release to the environment.

### 13. Disposal considerations

#### Waste treatment methods

##### **Disposal recommendations**

Dispose of waste according to applicable legislation.

##### **Contaminated packaging**

Wash with plenty of water. Completely emptied packages can be recycled.

### 14. Transport information

#### Hazard classes:

#### **Marine transport (IMDG)**

##### UN number or ID number:

No dangerous good in sense of this transport regulation.

##### United Nations proper shipping

No dangerous good in sense of this transport regulation.

##### name:

##### Transport hazard class(es):

No dangerous good in sense of this transport regulation.

##### Packing group:

No dangerous good in sense of this transport regulation.

#### **Air transport (ICAO-TI/IATA-DGR)**

##### UN number or ID number:

No dangerous good in sense of this transport regulation.

##### United Nations proper shipping

No dangerous good in sense of this transport regulation.

##### name:

##### Transport hazard class(es):

No dangerous good in sense of this transport regulation.

##### Packing group:

No dangerous good in sense of this transport regulation.

#### Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

### 15. Regulatory information

#### Canadian regulations

### 16. Other information

#### **Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

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LD50: Lethal dose, 50%

#### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.