

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### VITAFOL H Paste

Revision date: 17.04.2020

Product code: 058

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## 1. Identification

### Product identifier

VITAFOL H Paste

### Recommended use of the chemical and restrictions on use

#### 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 & Co. KG  
 Post-office box: 1338  
 79704 Bad Säckingen  
 Telephone: +49(0)7761-562-0      Telefax: +49(0)7761-562-299  
 e-mail: info@vita-zahnfabrik.com  
 Internet: www.vita-zahnfabrik.com

**Emergency phone number:** +49-(0)7761-562-0

## 2. Hazard(s) identification

### Classification of the chemical

#### 29 CFR Part 1910.1200

Serious eye damage/eye irritation: Eye Irrit. 2A

### Label elements

#### 29 CFR Part 1910.1200

**Signal word:** Warning

**Pictograms:**



### Hazard statements

Causes serious eye irritation

### Precautionary statements

Wash hands thoroughly after handling.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
 Continue rinsing.  
 If eye irritation persists: Get medical advice/attention.

### Hazards not otherwise classified

No information available.

## 3. Composition/information on ingredients

### Mixtures

#### Chemical characterization

Paste, Substance, organic, Film former  
 Mixture of polymers/elastomers without hazards for human health or environment

### Hazardous components

CAS No	Components	Quantity
14464-46-1	Cristobalite	0 %

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#### 4. First-aid measures

##### Description of first aid measures

###### General information

When in doubt or if symptoms are observed, get medical advice.

###### After inhalation

Provide fresh air.

###### After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

###### After contact with eyes

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

###### After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink plenty of water.

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

No information available.

##### Indication of any 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 chemical

Non-flammable.

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

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

##### Additional information

Use water spray/stream to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

#### 6. Accidental release measures

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

Use personal protection equipment.

##### Environmental precautions

Do not allow to enter into surface water or drains.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

##### Reference to other sections

Safe handling: see section 7

Personal protection equipment (PPE): see section 8

Disposal: see section 13

#### 7. Handling and storage

##### Precautions for safe handling

###### Advice on safe handling

No special measures are necessary.

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#### Advice on protection against fire and explosion

No special fire protection measures are necessary.

#### 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 limits

CAS No.	Substance	ppm	mg/m <sup>3</sup>	f/cc	Category	Origin
14464-46-1	Silica, crystalline cristobalite, respirable dust	(Z-3)	(Z-3)		TWA (8 h)	PEL

#### Exposure controls

##### Protective and hygiene measures

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

##### Eye/face protection

Wear eye protection/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. Recommended glove articles KCL Butoject Butyl caoutchouc (butyl rubber)  
Breakthrough time (maximum wearing time) 60 min

##### Skin protection

Use of protective clothing. Wear suitable protective clothing.

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection. Provide adequate ventilation as well as local exhaust at critical locations. Technical ventilation of workplace

### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

Physical state:	Liquid
Color:	light gray
Odor:	characteristic

#### Test method

pH-Value: not determined

#### Changes in the physical state

Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined

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Flash point: 250 °C

#### Flammability

Solid: not applicable

Gas: not applicable

#### Explosive properties

The product is not: Explosive.

Ignition temperature: >450 °C

#### Auto-ignition temperature

Solid: not applicable

Gas: not applicable

Decomposition temperature: > 200 °C

#### Oxidizing properties

Not oxidising.

Vapor pressure: not determined

(at 50 °C)

Vapor pressure: not determined

Density (at 23 °C): 1,25 g/cm<sup>3</sup>

Bulk density: not determined

Water solubility: No OECD 116

#### Solubility in other solvents

not determined

Partition coefficient: not determined

Viscosity / dynamic: 25000 mPa·s

(at 23 °C)

Vapor density: not determined

Evaporation rate: not determined

#### Other 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/none

#### Incompatible materials

No information available.

#### Hazardous decomposition products

The product is stable under storage at normal ambient temperatures. Decomposition takes place from temperatures above: 150 °C May form hazardous decomposition products when exposed to high temperatures. Formaldehyde

### 11. Toxicological information

#### Information on toxicological effects

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#### Acute toxicity

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

#### Irritation and corrosivity

Causes serious eye irritation

Skin corrosion/irritation: 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.

#### Specific target organ toxicity (STOT) - single exposure

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

#### Specific target organ toxicity (STOT) - repeated exposure

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

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): No ingredient of this mixture is listed.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

#### Aspiration hazard

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

#### Additional information on tests

The mixture 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.

#### Mobility in soil

The product has not been tested.

#### Other adverse effects

No information available.

#### Further information

Avoid release to the environment.

## 13. Disposal considerations

#### Waste treatment methods

##### Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

##### Contaminated packaging

Packaging which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the substance itself.

## 14. Transport information

#### US DOT 49 CFR 172.101

##### Proper shipping name:

No dangerous good in sense of this transport regulation.

#### Marine transport (IMDG)

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<b>UN number:</b>	No dangerous good in sense of this transport regulation.
<b>UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>Packing group:</b>	No dangerous good in sense of this transport regulation.

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

<b>UN number:</b>	No dangerous good in sense of this transport regulation.
<b>UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>Packing group:</b>	No dangerous good in sense of this transport regulation.

#### Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

#### Special precautions for user

No information available.

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

## 15. Regulatory information

### U.S. Regulations

#### State Regulations

##### Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

## 16. Other information

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#### 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%  
LD50: Lethal dose, 50%  
CLP: Classification, labelling and Packaging  
REACH: Registration, Evaluation and Authorization of Chemicals  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
UN: United Nations  
DNEL: Derived No Effect Level  
DMEL: Derived Minimal Effect Level  
PNEC: Predicted No Effect Concentration  
ATE: Acute toxicity estimate  
LL50: Lethal loading, 50%  
EL50: Effect loading, 50%  
EC50: Effective Concentration 50%  
ErC50: Effective Concentration 50%, growth rate

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NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

SVHC: Substance of Very High Concern

For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

#### Other data

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*