

## Safety Data Sheet

according to WHMIS

### VITA CEREC Propellant

Revision date: 08.02.2017

Product code: 084-CA

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## 1. Identification

### Product identifier

VITA CEREC Propellant

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

#### Use of the substance/mixture

Auxiliary for manufacture of dental products

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

Company name: VITA Zahnfabrik H. Rauter GmbH &amp; 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 telephone number:** +49-(0)761-19240

### Further Information

medical device

## 2. Hazard identification

### Classification of the substance or mixture

#### WHMIS 2015

Hazard categories:

Flammable gas: Flam. Gas 1

Hazard Statements:

Extremely flammable gas.

### Label elements

#### WHMIS 2015

**Signal word:** Danger**Pictograms:**

#### Hazard statements

Extremely flammable aerosol.

Contains gas under pressure; may explode if heated.

#### Precautionary statements

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Do not spray on an open flame or other ignition source.

Do not pierce or burn, even after use.

Protect from sunlight. Store in a well-ventilated place.

Do not expose to temperatures exceeding 50 °C/122 °F.

### Other hazards

No information available.

## 3. Composition/information on ingredients

### Substances

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#### 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.

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

Treat symptomatically.

#### 5. Fire-fighting measures

##### Extinguishing media

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

Carbon dioxide (CO<sub>2</sub>), Foam, Extinguishing powder.

###### **Unsuitable extinguishing media**

Water.

##### Specific hazards arising from the hazardous product

Extremely flammable liquid and vapour. Vapours can form explosive mixtures with air.

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

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

##### Additional information

Use water spray jet to protect personnel and to cool endangered containers.

#### 6. Accidental release measures

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

Remove all sources of ignition.

##### Environmental precautions

Do not allow uncontrolled discharge of product into the environment. Danger of explosion

##### 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: 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**

Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharges.

Vapours can form explosive mixtures with air.

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

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

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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#### Advice on storage compatibility

Do not store together with: Oxidising agent. Pyrophoric or self-heating substances.

### 8. Exposure controls/Personal protection

#### Control parameters

#### Exposure limits (ACGIH)

| CAS No  | Chemical name     | ppm       | mg/m <sup>3</sup> | F/ml | Category                   | Origin                   |
|---------|-------------------|-----------|-------------------|------|----------------------------|--------------------------|
| 75-28-5 | Butane: isobutane | -<br>1000 | -                 |      | TWA (8 h)<br>STEL (15 min) | ACGIH-2016<br>ACGIH-2016 |

#### Exposure controls



#### Protective and hygiene measures

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

#### 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. Recommended glove articles KCL Dermatrill P NBR (Nitrile rubber)

#### Skin protection

Wear suitable protective clothing.

#### Respiratory protection

Open windows to ensure natural ventilation. Provide adequate ventilation as well as local exhaust at critical locations.

### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

Physical state: Aerosol  
Colour: colourless

pH-Value: not determined

#### Changes in the physical state

Melting point: not determined

Initial boiling point and boiling range: -11 °C

Flash point: -60 °C

#### Flammability

Solid: not applicable

Gas: not applicable

Lower explosive limits: 1,8 vol. %

#### Test method

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Upper explosive limits: 8,5 vol. %

Ignition temperature: 460 °C

**Auto-ignition temperature**

Solid: not applicable

Gas: not applicable

Decomposition temperature: not determined

**Oxidizing properties**

Not oxidizing.

Vapour pressure:  
(at 50 °C) <=1100 hPaDensity: 0,58000 g/cm<sup>3</sup>

Water solubility: No

**Solubility in other solvents**

not determined

Partition coefficient: not determined

Vapour density: not determined

Evaporation rate: not determined

**Other information****10. Stability and reactivity****Conditions to avoid**

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.

**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.

**12. Ecological information**

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#### 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

##### Advice on disposal

Dispose of waste according to applicable legislation.

##### Contaminated packaging

Handle contaminated packages in the same way as the substance itself. Appropriate disposal / Product This material and its container must be disposed of as hazardous waste.

### 14. Transport information

#### Marine transport (IMDG)

UN number: UN 1950  
United Nations proper shipping name: AEROSOLS  
Transport hazard class(es): 2.1  
Packing group: -  
 Hazard label: 2.1



Marine pollutant: Nein  
 EmS: F-D,S-U

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

UN number: UN 1950  
United Nations proper shipping name: Aerosols, flammable  
Transport hazard class(es): 2.1  
Packing group: -  
 Hazard label: 2.1



#### Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

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#### 15. Regulatory information

##### Canadian regulations

#### 16. Other information

##### 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.