

### VITA VM®LC PRIMER I

Revision date: 24.08.2020

Product code: 331

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## 1. Identification

### Product identifier

VITA VM®LC PRIMER I

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

#### Use of the substance/mixture

Laboratory chemicals  
 medical device  
 Auxiliary for manufacture of dental products

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

Company name: VITA Zahnfabrik H.Rauter GmbH & Co.KG  
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 Responsible Department: Regulatory Affairs

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

## 2. Hazard identification

### Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

Flam. Liq. 2; H225  
 Skin Irrit. 2; H315  
 Eye Irrit. 2; H319  
 STOT SE 3; H336

Full text of hazard statements: see SECTION 16.

### Label elements

#### Regulation (EC) No 1272/2008

#### Hazard components for labelling

acetone; propan-2-one; propanone

**Signal word:** Danger

#### Pictograms:



#### Hazard statements

H225 Highly flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.

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#### Precautionary statements

|                |  |
|----------------|--|
| P210           | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.                                   |
| P233           | Keep container tightly closed.   |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.   |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313      | If eye irritation persists: Get medical advice/attention.  |
| P403+P235      | Store in a well-ventilated place. Keep cool.   |

#### Other hazards

No information available.

### 3. Composition/information on ingredients

#### Mixtures

##### Hazardous components

| CAS No     | Chemical name  |              |                  | Quantity     |
|------------|--|--------------|------------------|--------------|
|            | EC No  | Index No     | REACH No         |              |
|            | Classification (Regulation (EC) No 1272/2008)                |              |                  |              |
| 67-64-1    | acetone; propan-2-one; propanone                             |              |                  | 95 - < 100 % |
|            | 200-662-2  | 606-001-00-8 | 01-0211947130-49 |              |
|            | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066 |              |                  |              |
| 85590-00-7 | MDP; 10-Methacryloyl-oxydecyl-dihydrogenphosphat             |              |                  | 1 - < 5 %    |
|            | Skin Corr. 1; H314   |              |                  |              |

Full text of H statements: see section 16.

##### Specific Conc. Limits, M-factors and ATE

| CAS No  | EC No                                    | Chemical name                    | Quantity     |
|---------|--|----------------------------------|--------------|
|         | Specific Conc. Limits, M-factors and ATE |                                  |              |
| 67-64-1 | 200-662-2                                | acetone; propan-2-one; propanone | 95 - < 100 % |
|         | dermal: LD50 = 20000 mg/kg               |                                  |              |

### 4. First-aid measures

#### Description of first aid measures

##### After inhalation

Provide fresh air. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

##### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

##### After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

##### After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink 1 glass of water.

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

No information available.

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

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Treat symptomatically.

## 5. Fire-fighting measures

### Extinguishing media

#### **Suitable extinguishing media**

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

### Specific hazards arising from the hazardous product

Highly flammable. Vapours can form explosive mixtures with air.

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

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

### **Additional information**

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. 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

#### **General advice**

Remove all sources of ignition. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

### Environmental precautions

Do not allow uncontrolled discharge of product into the environment. Explosion risk.

### Methods and material for containment and cleaning up

#### **Other information**

Absorb with liquid-binding material (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**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

#### **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.

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

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

### Conditions for safe storage, including any incompatibilities

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

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaust at critical locations. Keep in a cool, well-ventilated place. Keep

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

#### Hints on joint storage

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

## 8. Exposure controls/Personal protection

### Control parameters

#### Exposure controls



#### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

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

##### Eye/face protection

Suitable eye protection: goggles.

##### 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 Butyl Breakthrough time: 480 min Butyl caoutchouc (butyl rubber)

##### Skin protection

Protective clothing.

##### Respiratory protection

If handled uncovered, arrangements with local exhaust ventilation have to be used.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state: Liquid

Colour:

#### Changes in the physical state

Melting point/freezing point: not determined

Boiling point or initial boiling point and boiling range: 55,8-56,6 °C

Flash point: -20°C °C

#### Flammability

Solid/liquid: not applicable

Gas: not applicable

#### Explosive properties

The product is not: Explosive.

Lower explosive limits: 2.6 vol. %

Upper explosive limits: 13.0 vol. %

#### Self-ignition temperature

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|  |                |
|--|----------------|
| Solid:                                 | not applicable |
| Gas:                                   | not applicable |
| Decomposition temperature:             | not determined |
| pH-Value:                              | not determined |
| Water solubility:                      | easily soluble |
| <b>Solubility in other solvents</b>    |                |
| not determined                         |                |
| Partition coefficient n-octanol/water: | not determined |
| Vapour pressure:                       | not determined |
| Density:                               | not determined |
| Relative vapour density:               | not determined |

#### Other information

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

Oxidizing properties  
Not oxidising.

##### Other safety characteristics

|                   |                |
|-------------------|----------------|
| Solid content:    | not determined |
| Evaporation rate: | not determined |

##### Further Information

## 10. Stability and reactivity

#### Reactivity

Highly flammable.

#### Chemical stability

The product is stable under storage at normal ambient temperatures.

#### Possibility of hazardous reactions

No known hazardous reactions.

#### 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

| CAS No  | Chemical name                    |               |         |        |        |
|---------|----------------------------------|---------------|---------|--------|--------|
|         | Route of exposure                | Dose          | Species | Source | Method |
| 67-64-1 | acetone; propan-2-one; propanone |               |         |        |        |
|         | dermal                           | LD50<br>mg/kg | 20000   |        |        |

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#### Additional information on tests

The mixture is classified as 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.

#### Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

The product has not been tested.

#### Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### Other adverse effects

No information available.

#### Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### 13. Disposal considerations

#### Waste treatment methods

##### Disposal recommendations

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

##### Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

### 14. Transport information

#### Land transport (ADR/RID)

|   |         |
|---|---------|
| <u>UN number or ID number:</u>              | UN 1090 |
| <u>United Nations proper shipping name:</u> | ACETONE |
| <u>Transport hazard class(es):</u>          | 3       |
| <u>Packing group:</u>                       | II      |
| Hazard label:                               | 3       |



|                      |     |
|----------------------|-----|
| Classification Code: | F1  |
| Limited quantity:    | 1 L |
| Excepted quantity:   | E2  |
| Transport category:  | 2   |
| Hazard No:           | 33  |

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Tunnel restriction code: D/E

#### Inland waterways transport (ADN)

**UN number or ID number:** UN 1090  
**United Nations proper shipping name:** ACETONE  
**Transport hazard class(es):** 3  
**Packing group:** II  
 Hazard label: 3



Classification Code: F1  
 Limited quantity: 1 L  
 Excepted quantity: E2

#### Marine transport (IMDG)

**UN number or ID number:** UN 1090  
**United Nations proper shipping name:** ACETONE  
**Transport hazard class(es):** 3  
**Packing group:** II  
 Hazard label: 3



Special Provisions: -  
 Limited quantity: 1 L  
 Excepted quantity: E2  
 EmS: F-E, S-D

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

**UN number or ID number:** UN 1090  
**United Nations proper shipping name:** ACETONE  
**Transport hazard class(es):** 3  
**Packing group:** II  
 Hazard label: 3



Limited quantity Passenger: 1 L  
 Passenger LQ: Y341  
 Excepted quantity: E2  
 IATA-packing instructions - Passenger: 353  
 IATA-max. quantity - Passenger: 5 L  
 IATA-packing instructions - Cargo: 364  
 IATA-max. quantity - Cargo: 60 L

#### Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

#### Special precautions for user

Warning: Combustible liquid.

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#### Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

not applicable

### 15. Regulatory information

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

##### EU Regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 75

Information according to 2012/18/EU  
(SEVESO III):

P5c FLAMMABLE LIQUIDS

##### National regulatory information

Employment restrictions:

Observe employment restrictions for young people.

Water hazard class (D):

2 - obviously hazardous to water

#### Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

### 16. Other information

#### Abbreviations and acronyms

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

CAS: Chemical Abstracts Service

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

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)

IMDG: International Maritime Code for Dangerous Goods

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

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

IBC: Intermediate Bulk Container



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SVHC: Substance of Very High Concern

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

#### Classification for mixtures and used evaluation method according to GHS

| Classification      | Classification procedure |
|---------------------|--------------------------|
| Flam. Liq. 2; H225  | On basis of test data    |
| Skin Irrit. 2; H315 | Calculation method       |
| Eye Irrit. 2; H319  | Calculation method       |
| STOT SE 3; H336     | Calculation method       |

#### Relevant H statements (number and full text)

|        |   |
|--------|---|
| H225   | Highly flammable liquid and vapour.                   |
| H314   | Causes severe skin burns and eye damage.              |
| H315   | Causes skin irritation.                               |
| H319   | Causes serious eye irritation.                        |
| H336   | May cause drowsiness or dizziness.                    |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

#### Further Information

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.

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