1. Identification

Product identifier

VITA VM LC WINDOW

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)761-19240

Further Information

medical device

2. Hazard(s) identification

Classification of the chemical

29 CFR Part 1910.1200

Serious eye damage/eye irritation: Eye Irrit. 2A
Respiratory or skin sensitization: Skin Sens. 1

Label elements

29 CFR Part 1910.1200

Signal word: Warning

Pictograms:

Hazard statements

May cause an allergic skin reaction
Causes serious eye irritation

Precautionary statements

Avoid breathing dust/fume/gas/mist/vapors/spray.

Wear protective gloves/protective clothing/eye protection/face protection.

Hazards not otherwise classified

No information available.

3. Composition/information on ingredients

Mixtures
4. First-aid measures

Description of first aid measures

After inhalation
Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

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. Medical treatment necessary. After contact with skin, wash immediately with plenty of water and soap.

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

Additional information
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
Provide adequate ventilation. Do not breathe gas/fume/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

Environmental precautions
Do not allow to enter into surface water or drains.

Methods and material for containment and cleaning up
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 (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.

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 controls

Protective and hygiene measures
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.

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 Dermatril P Breakthrough time (maximum wearing time) 30 min NBR (Nitrile rubber)

Skin protection
Use of protective clothing.

Respiratory protection
In case of inadequate ventilation wear 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:

Color: characteristic

Odor: characteristic

pH-Value: not determined

Changes in the physical state
Melting point/freezing point: not determined
Initial boiling point and boiling range: 251 °C
Flash point: > 250 °C

**Flammability**
- Solid: not determined
- Gas: not applicable

**Explosive properties**
- The product is not: Explosive.
- Lower explosion limits: not determined
- Upper explosion limits: not determined

**Auto-ignition temperature**
- Solid: not determined
- Gas: not applicable

**Decomposition temperature:** not determined

**Oxidizing properties**
- Not oxidising.

**Vapor pressure:** <=1100 hPa
(at 50 °C)

**Density:** not determined

**Water solubility:** No

**Solubility in other solvents**
- not determined

**Partition coefficient:** not determined

**Vapor density:** not determined

**Evaporation rate:** not determined

**Other information**
- Solid content: 98.5 %

**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**
- No known hazardous decomposition products.

**11. Toxicological information**

**Information on toxicological effects**
Acute toxicity

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

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Components</th>
<th>Exposure route</th>
<th>Dose</th>
<th>Species</th>
<th>Source</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>2867-47-2</td>
<td>2-dimethylaminoethyl methacrylate</td>
<td>oral</td>
<td>ATE</td>
<td>500</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>dermal</td>
<td>ATE</td>
<td>1100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Irritation and corrosivity

Causes serious eye irritation
Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitizing effects

May cause an allergic skin reaction
(7,7,9-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecan-1,16-diol-dimethacrylat (mixture of isomers); 2-dimethylaminoethyl methacrylate)

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.

Aspiration hazard

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

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

12. Ecological information

Ecotoxicity

Harmful to aquatic life with long lasting effects.

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

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

Handle contaminated packages in the same way as the substance itself. Waste codes/waste designations

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### 14. Transport information

#### Marine transport (IMDG)

| UN number: | No dangerous good in sense of this transport regulation. |
| UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 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: | No dangerous good in sense of this transport regulation. |
| UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 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

| 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

| National regulatory information |
| SARA Section 311/312 Hazards: |
| 7,7,9-Trimethyl-4,13-dioxo-3,14-dioxo-5,12-diaza-hexadecan-1,16-diol-dimethacrylat (mixture of isomers) (72869-86-4): Immediate (acute) health hazard |
| Ditrimethylolpropane Tetraacrylate (94108-97-1): Immediate (acute) health hazard |
| 2-dimethylaminoethyl methacrylate (2867-47-2): Immediate (acute) health hazard |

#### 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

| Revision date: | 13.08.2019 |
| Revision No: | 2 |

#### 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 |
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.

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