

### VITA VM®LC PRIMER II

Revision date: 21.02.2023

Product code: 332

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## 1. Identification

### Product identifier

VITA VM®LC PRIMER II

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

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

Company name:	VITA Zahnfabrik H.Rauter GmbH & Co.KG	
Street:	Spitalgasse 3	
Place:	D-79713 Bad Säckingen	
Post-office box:	1338	
	D-79704 Bad Säckingen	
Telephone:	+49(0)7761-562-0	Telefax: +49(0)7761-562-299
e-mail:	info@vita-zahnfabrik.com	
Contact person:	regulatory affairs	
e-mail:	info@vita-zahnfabrik.com	
Internet:	www.vita-zahnfabrik.com	
Responsible Department:	Regulatory Affairs	
<b>Emergency phone number:</b>	+49-(0)761-19240	

## 2. Hazard(s) identification

### Classification of the chemical

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

Flam. Liq. 2; H225  
 Skin Irrit. 2; H315  
 Skin Sens. 1; H317  
 STOT SE 3; H335  
 Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

### Label elements

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

#### Hazard components for labelling

methyl methacrylate  
 7,7,9-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecan-1,16-diol-dimethacrylat (mixture of isomers)  
 Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinat

**Signal word:** Danger

**Pictograms:**



#### Hazard statements

H225	Highly flammable liquid and vapor
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H335	May cause respiratory irritation
H412	Harmful to aquatic life with long lasting effects

#### Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

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P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P403+P235 Store in a well-ventilated place. Keep cool.

#### Hazards not otherwise classified

No information available.

### 3. Composition/information on ingredients

#### Mixtures

##### Hazardous components

CAS No	Components			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
80-62-6	methyl methacrylate			60 - < 65 %
	201-297-1	607-035-00-6	01-2119452498-28	
	Flam. Liq. 2, Skin Irrit. 2, Skin Sens. 1, STOT SE 3; H225 H315 H317 H335			
72869-86-4	7,7,9-Trimethyl-4,13-dioxo-3,14-dioxo-5,12-diaza-hexadecan-1,16-diol-dimethacrylat (mixture of isomers)			20 - < 25 %
	276-957-5		01-2120751202-68	
	Skin Sens. 1B, Aquatic Chronic 3; H317 H412			
84434-11-7	Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinat			1 - < 5 %
	Skin Sens. 1, Aquatic Chronic 2; H317 H411			

Full text of H and EUH statements: see section 16.

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

CAS No	EC No	Components	Quantity
	Specific Conc. Limits, M-factors and ATE		
80-62-6	201-297-1	methyl methacrylate	60 - < 65 %
	dermal: LD50 = > 5000 mg/kg		

### 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 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, both acute and delayed

No information available.

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

Treat symptomatically.

### 5. Fire-fighting measures

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#### Extinguishing media

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

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

#### Specific hazards arising from the chemical

Highly flammable. Vapors may 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/stream to protect personnel and to cool endangered containers. Suppress gases/vapors/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. Provide adequate ventilation. Do not breathe gas/fume/vapor/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 (PPE): 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/fume/vapor/spray.

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

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapors may 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 exhaustion at critical locations. Keep in a cool, well-ventilated place. Keep 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.

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## 8. Exposure controls/personal protection

### Control parameters

#### Exposure limits

CAS No	Substance	ppm	mg/m <sup>3</sup>	f/cc	Category	Origin
128-37-0	2,6-Di-tert-butyl-p-cresol	-	10		TWA (8 h)	REL
80-62-6	Methyl methacrylate	100	410		TWA (8 h)	PEL
		100	410		TWA (8 h)	REL

### Exposure controls



#### Appropriate engineering controls

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

#### 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.

Recommended glove articles KCL Butyl Breakthrough time: 60 min Butyl caoutchouc (butyl rubber) / Breakthrough time: 8 min

##### 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

Color:

#### Changes in the physical state

Melting point/freezing point: not determined

Boiling point or initial boiling point and boiling range: 67 °C

Flash point: 10°C °C

#### Flammability

Solid/liquid: not applicable

Gas: not applicable

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#### Explosive properties

The product is not: Explosive.

Lower explosion limits: 2,1 vol. %

Upper explosion limits: 12,5 vol. %

#### Self-ignition temperature

Solid: not applicable

Gas: not applicable

Decomposition temperature: not determined

pH-Value: not determined

Viscosity / dynamic:  
(at 23 °C) 40-70 mPa·s

Water solubility: easily soluble

#### Solubility in other solvents

not determined

Partition coefficient n-octanol/water: not determined

Vapor 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. Vapors may 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

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#### Acute toxicity

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
80-62-6	methyl methacrylate				
	dermal	LD50 > 5000 mg/kg			

#### 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)

##### UN number or ID number:

UN 1993

##### UN proper shipping name:

FLAMMABLE LIQUID, N.O.S. (methyl methacrylate; 7,7,9-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecan-1,16-diol-dimethacrylat (mixture of isomers))

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

3

##### Packing group:

II

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Hazard label: 3



Classification Code: F1  
 Special Provisions: 274 601 640C  
 Limited quantity: 1 L  
 Excepted quantity: E2  
 Transport category: 2  
 Hazard No: 33  
 Tunnel restriction code: D/E

#### Inland waterways transport (ADN)

**UN number or ID number:** UN 1993  
**UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (methyl methacrylate; 7,7,9-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecan-1,16-diol-dimet hacrylat (mixture of isomers))

**Transport hazard class(es):** 3  
**Packing group:** II  
 Hazard label: 3



Classification Code: F1  
 Special Provisions: 274 601 640D  
 Limited quantity: 1 L  
 Excepted quantity: E2

#### Marine transport (IMDG)

**UN number or ID number:** UN 1993  
**UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (methyl methacrylate; 7,7,9-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecan-1,16-diol-dimet hacrylat (mixture of isomers))

**Transport hazard class(es):** 3  
**Packing group:** II  
 Hazard label: 3



Special Provisions: 274  
 Limited quantity: 1 L  
 Excepted quantity: E2  
 EmS: F-E, S-E

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

**UN number or ID number:** UN 1993  
**UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (methyl methacrylate; 7,7,9-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecan-1,16-diol-dimet hacrylat (mixture of isomers))

**Transport hazard class(es):** 3  
**Packing group:** II  
 Hazard label: 3

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Special Provisions:	A3	
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.

#### Transport in bulk according to Annex II of MARPOL 73/78 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

2010/75/EU (VOC): 63,057 %

2004/42/EC (VOC): 63,057 %

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): 3 - highly hazardous to water

Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

#### Chemical Safety Assessment

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

### 16. Other information

#### **Changes**

This data sheet contains changes from the previous version in section(s): 14.

#### **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

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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  
 VOC: Volatile Organic Compounds  
 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
Skin Sens. 1; H317	Calculation method
STOT SE 3; H335	Calculation method
Aquatic Chronic 3; H412	Calculation method

#### Relevant H statements (full text)

H225 Highly flammable liquid and vapor  
 H315 Causes skin irritation  
 H317 May cause an allergic skin reaction  
 H335 May cause respiratory irritation  
 H411 Toxic to aquatic life with long lasting effects  
 H412 Harmful to aquatic life with long lasting effects

#### 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.)*