

## Safety Data Sheet

according to WHMIS

### VITA AKZENT LC

Revision date: 30.11.2022

Product code: 317

Page 1 of 8

## 1. Identification

### Product identifier

VITA AKZENT LC

### Further trade names

VITA AKZENT LC GLAZE

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

#### Use of the substance/mixture

Special finishes Use as laboratory reagent

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

Company name: VITA Zahnfabrik H.Rauter GmbH &amp; 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

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

### Further Information

medical device

## 2. Hazard identification

### Classification of the substance or mixture

#### WHMIS 2015

Flammable liquid: Flam. Liq. 2

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitization: Skin Sens. 1

Specific target organ toxicity - single exposure: STOT SE 3 (respiratory tract irritation)

### Label elements

#### WHMIS 2015

Signal word: Danger

Pictograms:



### Hazard statements

Highly flammable liquid and vapour.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye damage.

May cause respiratory irritation.

## Safety Data Sheet

according to WHMIS

### VITA AKZENT LC

Revision date: 30.11.2022

Product code: 317

Page 2 of 8

#### Precautionary statements

Wear protective gloves/protective clothing/eye protection/face protection.  
 Keep container tightly closed.  
 Keep away from heat. No Smoking.

#### Other hazards

No information available.

### 3. Composition/information on ingredients

#### Mixtures

##### Hazardous components

CAS No	Chemical name	Quantity
80-62-6	methyl methacrylate	15 - < 40% (*)
	Hexamethylene diisocyanate polymer with pentaerytriol reaction products with acrylic acid	10 - < 30% (*)
72869-86-4	7,7,9-Trimethyl-4,13-dioxo-3,14-dioxo-5,12-diazahexadecan-1,16-diylbismethacrylat	5 - < 10% (*)
1245638-61-2	2-Propenoic acid, reaction products with pentaerythritol	5 - < 10% (*)
84434-11-7	Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinat	1 - < 5% (*)
4986-89-4	pentaerythritol tetraacrylate	1 - < 5% (*)
3524-68-3	pentaerythritol triacrylate	1 - < 5% (*)
109-16-0	triethylene glycol dimethacrylate	1 - < 5% (*)
109-16-0	2,2'-ethylenedioxydiethyl dimethacrylate	1 - < 5% (*)
868-77-9	2-hydroxyethyl methacrylate	0.1 - < 1% (*)

(\*) The actual concentration is withheld as a trade secret.

### 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

Take off immediately all contaminated clothing and wash it before reuse. After contact with skin, wash immediately with plenty of water and soap. When in doubt or if symptoms are observed, get medical advice.

##### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. When in doubt or if symptoms are observed, get medical advice.

##### After ingestion

Rinse mouth immediately and drink plenty of water. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. When in doubt or if symptoms are observed, get medical advice.

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

No information available.

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

Treat symptomatically.

### 5. Fire-fighting measures

#### Extinguishing media

## Safety Data Sheet

according to WHMIS

### VITA AKZENT LC

Revision date: 30.11.2022

Product code: 317

Page 3 of 8

#### **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. Danger of explosion

#### **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 or drink.

#### **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 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

## Safety Data Sheet

according to WHMIS

### VITA AKZENT LC

Revision date: 30.11.2022

Product code: 317

Page 4 of 8

#### 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: 60 min Butyl caoutchouc (butyl rubber) / Breakthrough time: 8 min

##### Skin protection

Wear suitable protective clothing.

##### Respiratory protection

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

## 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: 101 °C

Flash point: 10 °C

#### Flammability

Solid/liquid: not applicable

Gas: not applicable

Lower explosive limits: 2,1 vol. %

Upper explosive limits: 12,5 vol. %

#### Self-ignition temperature

Solid: not applicable

Gas: not applicable

Decomposition temperature: not determined

pH-Value: not determined

## Safety Data Sheet

according to WHMIS

### VITA AKZENT LC

Revision date: 30.11.2022

Product code: 317

Page 5 of 8

Water solubility:

The study does not need to be conducted because the substance is known to be insoluble in water.

**Solubility in other solvents**

not determined

Partition coefficient n-octanol/water:

not determined

Vapour pressure:

not determined

Density (at 20 °C):

1,13 g/cm<sup>3</sup>

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**

## Safety Data Sheet

according to WHMIS

### VITA AKZENT LC

Revision date: 30.11.2022

Product code: 317

Page 6 of 8

#### Acute toxicity

CAS No	Chemical name				
	Route of exposure	Dose	Species	Source	Method
80-62-6	methyl methacrylate				
	dermal	LD50 > 5000 mg/kg			
1245638-61-2	2-Propenoic acid, reaction products with pentaerythritol				
	oral	ATE 500 mg/kg			
868-77-9	2-hydroxyethyl methacrylate				
	oral	LD50 5050 mg/kg	Rat		

#### 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 organisms, may cause long-term adverse effects in the aquatic environment.

#### 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.

#### 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**

Handle contaminated packages in the same way as the substance itself.

## 14. Transport information

#### Hazard classes:

#### **Marine transport (IMDG)**

#### UN number or ID number:

UN 1993

## Safety Data Sheet

according to WHMIS

### VITA AKZENT LC

Revision date: 30.11.2022

Product code: 317

Page 7 of 8

#### United Nations proper shipping

name:

Transport hazard class(es):

Packing group:

Hazard label:

FLAMMABLE LIQUID, N.O.S. (methyl methacrylate; Hexamethylene diisocyanate polymer with pentaerytriol reaction products with acrylic acid)

3

II

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

United Nations proper shipping

name:

FLAMMABLE LIQUID, N.O.S. (methyl methacrylate; Hexamethylene diisocyanate polymer with pentaerytriol reaction products with acrylic acid)

Transport hazard class(es):

3

Packing group:

II

Hazard label:

3



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

### 15. Regulatory information

#### Canadian regulations

### 16. Other information

#### **Changes**

This data sheet contains changes from the previous version in section(s): 1,2,8,9,14.

#### **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%

## Safety Data Sheet

according to WHMIS

### VITA AKZENT LC

Revision date: 30.11.2022

Product code: 317

Page 8 of 8

LD50: Lethal dose, 50%

#### 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.)*