1. Identification

Product identifier

VITA LOW FUSING MODELLING LIQUID

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)7761-562-0

2. Hazard(s) identification

Classification of the chemical

29 CFR Part 1910.1200
This mixture is not classified as hazardous in accordance with Regulation 29 CFR 1910.1200(d).

Label elements

Hazard(s) not otherwise classified
No information available.

3. Composition/information on ingredients

Mixtures

Chemical characterization
Mixtures Product/Substance is inorganic. Substance, organic

4. First-aid measures

Description of first aid measures

After inhalation
Provide fresh air.

After contact with skin
Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

After contact with eyes
Rinse immediately carefully and thoroughly with eye-bath or water.

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

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

6. Accidental release measures

   Personal precautions, protective equipment and emergency procedures
   Use personal protection equipment.

   Environmental precautions
   No special environmental measures are necessary. Clean contaminated articles and floor according to the environmental legislation.

   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 (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
   Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

   Eye/face protection
   Wear eye protection/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 Dermatril P 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 exhaust at critical locations. Technical ventilation of workplace

9. Physical and chemical properties

Information on basic physical and chemical properties

| Physical state: |  
|-----------------|---|
| Color:          | colorless |
| Odor:           | odorless  |
| pH-Value:       | 5,5       |

Changes in the physical state

- Melting point/freezing point: not determined
- Initial boiling point and boiling range: 100 °C
- Flash point: ?

Flammability

- Solid: not applicable
- 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 applicable
- Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

- Not oxidising.
  
- Vapor pressure: <=1100 hPa (at 50 °C)
- Density: 1.05 g/cm³
- 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: 0

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.

- **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.

- **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.

  **Carcinogenicity (OSHA):**
  
  No ingredient of this mixture is listed.

  **Carcinogenicity (IARC):**
  
  No ingredient of this mixture is listed.

  **Carcinogenicity (NTP):**
  
  No ingredient of this mixture is listed.

- **Aspiration hazard**
  
  Based on available data, the classification criteria are not met.

**Additional information on tests**

The mixture is classified as not 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.

**Other adverse effects**

No information available.

**Further information**

Avoid release to the environment.

### 13. Disposal considerations
Waste treatment methods

Disposal recommendations
Dispose of waste according to applicable legislation.

Contaminated packaging
Wash with plenty of water. Completely emptied packages can be recycled.

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

ENVIRONMENTALLY HAZARDOUS: no

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

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: 05.08.2019
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

REACH: Registration, Evaluation and Authorization of Chemicals
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
UN: United Nations
DNEL: Derived No Effect Level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration
ATE: Acute toxicity estimate
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
tvPvB: very persistent, very bioaccumulative
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)
EmS: Emergency Schedules
MFAG: Medical First Aid Guide
ICAO: International Civil Aviation Organization
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
IBC: Intermediate Bulk Container
SVHC: Substance of Very High Concern
For abbreviations and acronyms, see table at http://abbrev.esdsc.com.eu

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.)