1. Identification

**Product identifier**

VITA Modelling Liquid High Silver

**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

**Further Information**

medical device

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 not otherwise classified

No information available.

3. Composition/information on ingredients

**Mixtures**

- Chemical characterization
  - Mixtures Product/Substance is inorganic.

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.

Additional information
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
Use personal protection equipment.

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

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
Skin protection
Use of protective clothing.
Respiratory protection
Open windows to ensure natural ventilation.

9. Physical and chemical properties

Information on basic physical and chemical properties

- **Physical state:** Liquid
- **Color:** colorless
- **Odor:** odorless
- **pH-Value:** 3.6

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:** 0.99900 g/cm³

Solubility in other solvents
not determined

- **Partition coefficient:** not determined
- **Vapor density:** not determined
- **Evaporation rate:** not determined

Other information
- **Solid content:** 0.1 %

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
Do not allow to enter into surface water or drains. 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

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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
Safety Data Sheet

according to 29 CFR 1910.1200(g)

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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
vPvB: 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.esdscom.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.)