



**SECTION 1 – IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1 Product identifier**

**Product name** VDENUPET HANDLE  
**Product form** Mixture

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

**Industrial/Professional use spec** For professional use only.  
**Use of the substance/mixture** Pipetting aid for micromanipulation pipettes.  
**Uses advised against** No additional information available.

**1.3 Details of the supplier of the safety data sheet**

**Manufacturer** VITROMED GmbH  
Hans-Knöll-Str. 6  
07745 Jena  
Germany  
support@vitromed.com

**1.4 Emergency telephone number**

**Emergency number** +49 3641 5 39 19 76

**SECTION 2 – HAZARDS IDENTIFICATION**

**2.1 Emergency telephone number**

**Classification (EC) No 1272/2008** Not classified.  
**Adverse physicochemical, human health and environmental effect** No additional information available.

**2.2 Label elements**

**Labelling according to Regulation (EC) No. 1272/2008** No labelling applicable.

**2.3 Other hazards**

No additional information available.

**SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substance**

Not applicable.

**3.2 Mixture**

Not applicable.

Full text of H-phrases: see section 16

**Comments**

The device does not contain any raw materials of direct animal-origin or materials that have been produced using animal-origin components. Components have not been in contact with material of animal origin during processing and therefore pose no TSE risk.

**SECTION 4 – FIRST AID MEASURES**

**4.1 Description of first aid measures**

**First-aid measures general** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).  
**First-aid measures after inhalation** Allow affected person to breathe fresh air. Allow the victim to rest.  
**First-aid measures after skin contact** No data available.  
**First-aid measures after eye contact** Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.  
**First-aid measures after ingestion** Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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## 4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries Not expected to present a significant hazard under anticipated conditions of normal use.

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

No additional information available.

## SECTION 5 – FIREFIGHTING MEASURES

### 5.1 Extinguishing media

**Suitable extinguishing media** Water spray, carbon dioxide, dry chemical powder or appropriate foam.  
**Unsuitable extinguishing media** No data available.

### 5.2 Special hazards arising from the substance or mixture

No additional information available.

### 5.2 Advice for firefighters

**Firefighting instructions** Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.  
**Protection during firefighting** Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment, and emergency procedures

**Emergency procedures** Evacuate unnecessary personnel.  
**Protective equipment** Equip cleanup crew with proper protection.  
**Emergency procedures** Ventilate area.

### 6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3 Methods and material for containment and cleaning up

**Methods for cleaning up** Dispose with laboratory waste. Store away from other materials.

### 6.3 Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7 – HANDLING AND STORAGE

### 7.1 Precautions for safe handling

**Precautions for safe handling** Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work.

### 7.2 Conditions for safe storage, including any incompatibilities

**Storage conditions** Store in dry environment. Avoid excessive humidity.  
**Incompatible products** Strong bases. Strong acids.  
**Incompatible materials** No data available.  
**Storage temperature** No data available.

### 7.3 Specific end uses(s)

See instructions for use delivered with the product.

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

No additional information available.

### 8.2 Exposure controls

**Appropriate engineering controls** Handle in accordance with good industrial hygiene and safety. Avoid all unnecessary exposure.  
**Personal protective equipment** Wear fire/flame resistant/retardant clothing.  
**Skin protection** Complete suit protecting against chemicals, flame retardant antistatic protective clothing. The type of protection must be selected according

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	to the concentration and volume of the dangerous substance at the specific workplace.
<b>Hand protection</b>	Wear protective gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to meet specifications of regulation EU 2016/425 and the standard EN374.
<b>Eye/Face protection</b>	Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
<b>Respiratory protection</b>	Wear appropriate mask. Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
<b>Other information</b>	Do not eat, drink or smoke during use. Do not pipette liquid using a mouth pipette.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical state	Solid
Appearance	No data available
Colour	No data available
Odour	No data available
Odour threshold	No data available
pH	No data available
Relative evaporation rate (butylacetate=1)	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	Non flammable
Vapour pressure	No data available
Relative vapour density at 20°C	No data available
Relative density	No data available
Solubility	Not soluble in water
Log Pow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits	No data available

### 9.2 Other information

<b>Other properties</b>	No additional information available.
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## SECTION 10 – STABILITY AND REACTIVITY

### 10.1 Reactivity

No additional information available.

### 10.2 Chemical stability

No additional information available.

### 10.3 Possibility of hazardous reactions

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Not established.

### 10.4 Conditions to avoid

Rough handling or dropping.

### 10.5 Incompatible materials

Strong acids. Strong bases.

### 10.6 Hazardous decomposition products

Carbon monoxide. Carbon dioxide. Fume.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

<b>Acute toxicity (oral, dermal, inhalation)</b>	Not classified.
<b>Skin corrosion/irritation</b>	Not classified.
<b>Additional information</b>	Based on available data, the classification criteria are not met.
<b>Serious eye damage/irritation</b>	Not classified.
<b>Additional information</b>	Based on available data, the classification criteria are not met.
<b>Respiratory or skin sensitization</b>	Not classified.
<b>Additional information</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Not classified.
<b>Additional information</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Not classified.
<b>Additional information</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Not classified.
<b>Additional information</b>	Based on available data, the classification criteria are not met.
<b>STOT-single exposure</b>	Not classified.
<b>Additional information</b>	Based on available data, the classification criteria are not met.
<b>STOT-repeated exposure</b>	Not classified.
<b>Additional information</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Not classified.
<b>Additional information</b>	Based on available data, the classification criteria are not met.
<b>Potential adverse human health effects and symptoms</b>	Based on available data, the classification criteria are not met.

## SECTION 12 – ECOLOGICAL INFORMATION

### 12.1 Toxicology

<b>Hazardous to the aquatic environment, short-term (acute)</b>	Not classified.
<b>Hazardous to the aquatic environment, long-term (chronic)</b>	Not classified.

### 12.2 Persistence and degradability

Not established.

### 12.3 Bioaccumulative potential

Not established.

### 12.4 Mobility in soil

No additional information available.

### 12.5 Results of PBT and vPvB assessment

No additional information available.

### 12.6 Other adverse effects

Avoid release to the environment.

## SECTION 13 – DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

<b>Product / packaging disposal recommendations</b>	Dispose in a safe manner in accordance with local/national regulations.
<b>Ecology - waste materials</b>	Avoid release to the environment.

## SECTION 14 – TRANSPORT INFORMATION

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In accordance with ADR / RID / IMDG / IATA / AND

### 14.1 UN number

Not regulated for transport.

### 14.2 UN proper shipping name

Proper Shipping Name (ADR)	Not applicable.
Proper Shipping Name (IMDG)	Not applicable.
Proper Shipping Name (IATA)	Not applicable.
Proper Shipping Name (ADN)	Not applicable.
Proper Shipping Name (RID)	Not applicable.

### 14.3 Transport hazard class(es)

Transport hazard class(es) (ADR)	Not applicable.
Transport hazard class(es) (IMDG)	Not applicable.
Transport hazard class(es) (IATA)	Not applicable.
Transport hazard class(es) (ADN)	Not applicable.
Transport hazard class(es) (RID)	Not applicable.

### 14.4 Packing group

Packing group (ADR)	Not applicable.
Packing group (IMDG)	Not applicable.
Packing group (IATA)	Not applicable.
Packing group (ADN)	Not applicable.
Packing group (RID)	Not applicable.

### 14.5 Environmental hazards

Dangerous for the environment	No
Marine pollutant	No
Other information	No supplementary information available.

### 14.6 Special precautions for user

Overland transport	No data available.
Transport by sea	No data available.
Air transport	No data available.
Inland waterway transport	No data available.
Rail transport	No data available.

### 14.7 Transport in bulk according to Annex II and the IBC Code

Not applicable.

## SECTION 15 – REGULATORY INFORMATION

### 15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture

<b>EU-Regulations</b>	Contains no REACH substances with Annex XVII restrictions. Contains no substance on the REACH candidate list. Contains no REACH Annex XIV substances. Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals. Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.
<b>National regulations</b>	
<b>Germany</b>	
<b>Water hazard class (WGK)</b>	No WGK, not hazardous to water (Classification according to AwSV, Annex 1)
<b>Hazardous Incident Ordinance (12. BImSchV)</b>	Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

### 15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

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## SECTION 16 – OTHER INFORMATION

### Data sources

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

### Other information

None

### SDS EU (REACH Annex II)

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