



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

### 1.1 Product identifier

**Product name** VITRLOCK, VITRITOP

**Product form** Substance

### 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** For vitrification and storage of human oocytes and embryos

**Uses advised against** No additional information available

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

**Manufacturer** VITROMED GmbH  
Göschwitzer Str. 22  
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

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008
ABS	(CAS No) 9003-56-9	100	Not classified
Polystyrene	(CAS No) 9003-58-1	100	Not classified

Full text of H-phrases: see section 16

### 3.2 Mixture

Not applicable

### Comments

VITRILOCK / VITRITOP 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

Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

#### 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.

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

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**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** Foam. Dry powder. Carbon dioxide. Water spray. Sand.

**Unsuitable extinguishing media** Do not use a heavy water stream.

### 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.

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

**Methods for cleaning up** Collect spillage. 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. Provide good ventilation in process area to prevent formation of vapour.

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

**Storage conditions** Do not use after expiry date. The content cannot be re-sterilized after opening. Keep only in the original container away from direct (sun)light. Keep container closed when not in use.

**Incompatible products** Strong bases. Strong acids.

**Incompatible materials** Sources of ignition. Direct (sun)light.

**Storage temperature** Store at room temperature

### 7.3 Specific end uses(s)

See instructions for use.

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## 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 to the concentration and volume of the dangerous substance at the specific workplace.

#### Hand protection

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.

#### Eye/Face protection

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).

#### Respiratory protection

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).

#### Other information

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

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

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### 9.2 Other information

**Other properties** No additional data available.

## SECTION 10 – STABILITY AND REACTIVITY

### 10.1 Reactivity

No additional information available

### 10.2 Chemical stability

Stable after transport.

### 10.3 Possibility of hazardous reactions

Not established.

### 10.4 Conditions to avoid

Direct (sun)light. Extremely high or low temperatures. Do not expose product to sources of irradiation.

### 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

#### Acute toxicity (oral, dermal, inhalation)

Not classified  
Extensive data from Mouse Embryo Assays have demonstrated that the medium is not toxic.

#### Skin corrosion/irritation

Not classified  
Based on available data, the classification criteria are not met

#### Serious eye damage/irritation

Not classified  
Based on available data, the classification criteria are not met

#### Respiratory or skin sensitization

Not classified  
Based on available data, the classification criteria are not met

#### Additional information

Not classified  
Based on available data, the classification criteria are not met

#### Germ cell mutagenicity

Not classified  
Based on available data, the classification criteria are not met

#### Additional information

Not classified  
Based on available data, the classification criteria are not met

#### Carcinogenicity

Not classified  
Based on available data, the classification criteria are not met

#### Additional information

Not classified  
Based on available data, the classification criteria are not met

#### Reproductive toxicity

Not classified  
Based on available data, the classification criteria are not met

#### Additional information

Not classified  
Based on available data, the classification criteria are not met

#### STOT-single exposure

Not classified  
Based on available data, the classification criteria are not met

#### Additional information

Not classified  
Based on available data, the classification criteria are not met

#### STOT-repeated exposure

Not classified  
Based on available data, the classification criteria are not met

#### Additional information

Not classified  
Based on available data, the classification criteria are not met

#### Aspiration hazard

Not classified  
Based on available data, the classification criteria are not met

#### Additional information

Not classified  
Based on available data, the classification criteria are not met

#### Potential adverse human health effects and symptoms

Based on available data, the classification criteria are not met

## SECTION 12 – ECOLOGICAL INFORMATION

### 12.1 Toxicology

#### Hazardous to the aquatic environment, short-term (acute)

Not classified

#### Hazardous to the aquatic environment, long-term (chronic)

Not classified

### 12.2 Persistence and degradability

Not established.

### 12.3 Bioaccumulative potential

Not established.

### 12.4 Mobility in soil

No additional information available

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## 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

**Product / packaging disposal recommendations** Dispose in a safe manner in accordance with local/national regulations.

**Ecology - waste materials** Avoid release to the environment.

## SECTION 14 – TRANSPORT INFORMATION

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

### 14.1 UN number

Not regulated for transport

### 14.2 UN proper shipping name

<b>Proper Shipping Name (ADR)</b>	Not applicable
<b>Proper Shipping Name (IMDG)</b>	Not applicable
<b>Proper Shipping Name (IATA)</b>	Not applicable
<b>Proper Shipping Name (ADN)</b>	Not applicable
<b>Proper Shipping Name (RID)</b>	Not applicable

### 14.3 Transport hazard class(es)

<b>Transport hazard class(es) (ADR)</b>	Not applicable
<b>Transport hazard class(es) (IMDG)</b>	Not applicable
<b>Transport hazard class(es) (IATA)</b>	Not applicable
<b>Transport hazard class(es) (ADN)</b>	Not applicable
<b>Transport hazard class(es) (RID)</b>	Not applicable

### 14.4 Packing group

<b>Packing group (ADR)</b>	Not applicable
<b>Packing group (IMDG)</b>	Not applicable
<b>Packing group (IATA)</b>	Not applicable
<b>Packing group (ADN)</b>	Not applicable
<b>Packing group (RID)</b>	Not applicable

### 14.5 Environmental hazards

<b>Dangerous for the environment</b>	No
<b>Marine pollutant</b>	No
<b>Other information</b>	No supplementary information available

### 14.6 Special precautions for user

<b>Overland transport</b>	No data available
<b>Transport by sea</b>	No data available
<b>Air transport</b>	No data available
<b>Inland waterway transport</b>	No data available
<b>Rail transport</b>	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

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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

### National regulations

#### Germany

##### Water hazard class (WGK)

not hazardous to water (Classification according to AwSV, Annex 1)

##### Hazardous Incident Ordinance (12. BlmSchV)

Is not subject of the Hazardous Incident Ordinance (12. BlmSchV)

### 15.2 Chemical safety assessment

No chemical safety assessment has been carried out

## 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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