



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

Product Formal Name	VITFREEZE
	Vitrification Solution V-VS-2
	Equilibration Solution V-ES-2
Product Form	Mixture
Product Use	For professional use only
Manufacturer	VITROMED GmbH – Raiffeisenstr. 15a - 40764 Langenfeld-Germany
For Emergency Assistance	Phone +49-2173-2004130 Mail support@vitromed.com

SECTION 2 – HAZARDS IDENTIFICATION

Regulation (EC) No 1272/2008	Non-Dangerous
Potential Acute Health Effects	May be harmful by swallow; cause skin or eye irritation, be irritating to mucous membranes and upper respiratory tract.
Potential Chronic Health Effects	Not available

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

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

VITFREEZE contains Dimethylsulfoxide which is known to facilitate the transport of chemicals through the skin barrier. This should be considered when using the products in combination with other substances. No other components need to be disclosed according to the applicable regulations.

SECTION 4 – FIRST AID MEASURES

Inhalation	Move to environment with fresh air. When having difficulties in breathing, call a physician.
Eyes	Flush with plenteous amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.
Skin	Wash after each contact.
Ingestion	Wash mouth with water. Call a physician, if any discomfort occurs.
	Seek medical attention, should any discomfort occur.

SECTION 5 – FIREFIGHTING MEASURES

Extinguishing Media	Water spray, carbon dioxide, dry chemical powder or appropriate foam.
Special Firefighting Procedure	None.
Unusual Fire and Explosion Hazards	None.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear chemical safety goggles. Wear rubber gloves. Avoid contact with skin, eyes and clothing.
Environmental Precautions	Prevent entry to sewers and public waters.
Methods for Cleaning Up	Rinse spill area with water. Dispose with laboratory waste.

SECTION 7 – HANDLING AND STORAGE

Handling	Refer to Section 8.
Storage	Store at 2 - 8°C. Do not freeze before use. Keep the product in the original packaging or shield from light while not in use. Do not use after expiry date. Keep away from sunlight.
Specific Use	See instructions for use delivered with the device. For professional use only.

V-VITFREEZE

Safety Data Sheet

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Controls (Occupational) Wear chemical safety goggles. Wear rubber gloves. Avoid contact with skin, eyes and clothing. Avoid inhalation. Avoid mouth pipetting.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor	Reddish transparent liquid, trace to mild smell.
pH	7.2 – 7.7
Boiling Point	Not available
Flash Point	Not available
Flammability	Non-flammable
Explosive Properties	Not available
Oxidizing Properties	Not available
Vapor Pressure	Not available
Relative density	Not available
Solubility	Highly soluble in water
Solubility in Water	complete
Viscosity	Not available
Evaporation Rate	Not available

SECTION 10 – STABILITY AND REACTIVITY

Stability	Stable.
Conditions to Avoid	Direct (sun)light, extremely high or low temperatures.
Materials to Avoid	Strong acids and bases.
Hazardous Decomposition Products	Carbon monoxide and dioxide.

SECTION 11 – TOXICOLOGICAL INFORMATION

May cause skin irritation. May be harmful if absorbed through the skin. May cause eye irritation. May be harmful if inhaled. Material may be irritating to mucus membranes and upper respiratory tract. May be harmful if swallowed. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

SECTION 12 – ECOLOGICAL INFORMATION

No known Ecological Damage. No additional data is available for the mobility, bioaccumulative potential, persistence and degradability.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose in a safe manner in accordance to with local and national regulations and avoid release to the environment.

SECTION 14 – TRANSPORT INFORMATION

Not classified as Hazardous for transport.

SECTION 15 – REGULATORY INFORMATION

This product does not contain any ingredients which have been determined to be health hazardous pursuant to U.S. OSHA regulations, and which comprise 1 % or more (0.1 % for carcinogens) of the mixture.

Information shown on the Label ISO 15223-1

SECTION 16 – OTHER INFORMATION

The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must take independent determinations of the suitability and completeness of information from all other sources to assure proper use and disposal of these materials and the safety and health of employees and customers. VITROMED GmbH shall not be held liable for any damage resulting from handling or from contact with its products.