

V^oIL Heavy Oil for IVF Culture

Safety Data Sheet

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

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| Product Formal Name | V^oIL Heavy Oil for IVF Culture |
| Product Form | Mixture |
| Product Use | For professional use only. Light Paraffin Oil for use in ART |
| Manufacturer | VITROMED GmbH – Raiffeisenstr. 15a - 40764 Langenfeld-Germany |
| For Emergency Assistance | Phone +49-2173-2004130 Mail support@vitromed.com |

SECTION 2 – HAZARDS IDENTIFICATION

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|--|-------------------------------------|
| Regulation (EC) No 1272/2008 | Not classified |
| Adverse physicochemical, human health and environmental effects | No additional information available |
| Labelling according to Regulation (EC) No. 1272/2008 [CLP] | No labelling applicable |
| Other hazards | No additional information available |

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

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| Substance | Not applicable |
| Mixture | Classification of substances in the mixture according to Regulation (EC) No. 1272/2008 [CLP]: Not classified |
| Comments | 100 % Mineral Oil, CAS-Code 8042-47-5. VITROMED Mineral Oil 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 poses no TSE risk. |

SECTION 4 – FIRST AID MEASURES

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| General measures | Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |
| Inhalation | Remove victim to fresh air. Allow the victim to rest. If breathing becomes difficult, call a physician. |
| Eyes | Rinse with plentiful amounts of water for at least 15 minutes. Ensure adequate flushing by separating the eyelids with fingers. Obtain medical attention if pain, blinking or redness persists. |
| Skin | Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash after each contact. |
| Ingestion | Rinse mouth. Do NOT induce vomiting. Wash out with water provided person is conscious. Obtain emergency medical attention. Seek medical attention if any discomfort should occur. |
| Symptoms/effects | Not expected to present a significant hazard under anticipated conditions of normal use. |

SECTION 5 – FIREFIGHTING MEASURES

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| Extinguishing Media | Water spray, carbon dioxide, dry chemical powder or appropriate foam. |
| Special Firefighting Procedure | Do NOT use a heavy water stream. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering the environment. Do not enter fire area without proper protective equipment, including respiratory protection. Wear self- |

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contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards

Emits toxic fumes under fire conditions.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions

Evacuate unnecessary personnel. Wear chemical safety goggles. Wear rubber gloves. Avoid contact with skin, eyes and clothing. Ventilate area.

Environmental Precautions

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

Methods for Cleaning Up

Store away from other materials. Rinse spill area with water. Collect spillage. Dispose with laboratory waste.

SECTION 7 – HANDLING AND STORAGE

Handling

Refer Section 8.

Storage

Store at 15 – 25 °C. Do not freeze before use. Keep the product in the original packaging or shield from light while not in use. The product can be used safely for up to 28 days after opening the container when sterile conditions are maintained and the products are stored at room temperature. Do not use after expiry date. Keep away from sunlight.

Specific Use

See instructions for use delivered with the device. For professional use only.

Incompatible products

Strong bases. Strong acids.

Incompatible materials

Sources of ignition. Direct sunlight.

Storage temperature

15 - 25°C

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. 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. 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.

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.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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| Appearance and Odor | Colorless transparent liquid, odorless |
| pH | Not available |
| 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 | 0.86 – 0.88 g/cm ³ at 25 °C |
| Solubility | Not soluble in water |
| Solubility in Water | Insoluble |
| Viscosity | 95 – 140 cP at 30 °C |
| Evaporation Rate | Not available |

SECTION 10 – STABILITY AND REACTIVITY

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| Stability | Stable. Stable after transport (max. 5 days) at elevated temperature ($\leq 37^{\circ}\text{C}$). Stable for 18 months from date of manufacture. |
| 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. Fume. |

SECTION 11 – TOXICOLOGICAL INFORMATION

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| Acute toxicity (oral) | Not classified |
| Acute toxicity (dermal) | Not classified |
| Acute toxicity (inhalation) | Not classified |
| Additional information | Extensive data from Mouse Embryo Assays have demonstrated that the medium is not toxic. |
| Skin corrosion/irritation | Not classified |
| Additional information | Based on available data, the classification criteria are not met. |
| Serious eye damage/irritation | Not classified |
| Additional information | Based on available data, the classification criteria are not met. |
| Respiratory or skin sensitization | Not classified |
| Additional information | Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity | Not classified |
| Additional information | Based on available data, the classification criteria are not met. |
| Carcinogenicity | Not classified |
| Additional information | Based on available data, the classification criteria are not met. |
| Reproductive toxicity | Not classified |
| Additional information | Based on available data, the classification criteria are not met. |
| STOT-single exposure | Not classified |
| Additional information | Based on available data, the classification criteria are not met. |
| STOT-repeated exposure | Not classified |
| Additional information | Based on available data, the classification criteria are not met. |
| Aspiration hazard | Not classified |
| Additional information | 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

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| Hazardous to the aquatic environment, short-term (acute) | Not classified |
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| Hazardous to the aquatic environment, long-term (chronic) | Not classified |
| Persistence and degradability | Not established |
| Bioaccumulative potential | Not established |
| Mobility in soil | No additional information available |
| Results of PBT and vPvB assessment | No additional information available |
| Other adverse effects | Avoid release to the environment |

SECTION 13 – DISPOSAL CONSIDERATIONS

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| Product/packaging disposal | Dispose in a safe manner in accordance to with local and national regulations and avoid release to the environment recommendations. |
| Ecology - waste materials | 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 & 93/42/EEC

SECTION 16 – OTHER INFORMATION

Other information None

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.