



Safety Data Sheet HTF HEPES

Revised: 29-Sep-23

SECTION 1 – IDENTIFICATION & COMPANY DETAILS

Product Name: **HTF HEPES**
Product Code / Cat #: **2002 / 2002-5**
Product Use: HEPES buffered culture medium for retrieval, holding, and washing oocytes in ART procedures.

Importer / Distributor: INVITROCARE INC
Address: 8415 Progress Drive, Suite F
Frederick, MD 21701
Telephone: 301-360-9660 (Same number to be used in emergencies)

SECTION 2 – HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

To the best of our knowledge, according to the OSHA Hazardous Communication Standard 29 CFR 1910:1200, this product is not considered hazardous.

PLEASE NOTE: Contact with Liquid Media may irritate the eyes, skin, or mucous membranes. In order to limit exposure, exercise caution and wear personal protection equipment when handling this material. Good laboratory and manufacturing procedures are essential for safe use. If exposure occurs, leave area of contamination immediately. Flush product from eyes or skin with water for at least fifteen minutes. If a reaction such as irritation occurs, consult a Poison Control Center or physician immediately.

HAZARDOUS INGREDIENTS: This product is formulated with 10 mg/L gentamicin. TLV not established. Slightly toxic. Possible allergic reaction if ingested or in contact with skin. Could result in skin rash and/or labored breathing.
CHEMICAL NAME: Gentamicin Sulfate Gamma-Irradiated Molecular Biology Reagent

SECTION 3 – COMPOSITION / INFORMATION ON THE COMPONENTS

Component	CAS-code
Sodium chloride	7647-14-5
Potassium chloride	7447-40-7
Magnesium sulfate heptahydrate	10034-99-8
Potassium phosphate, mono	7778-77-0
Calcium chloride, dehydrate	10035-04-8
Sodium bicarbonate	144-55-8
HEPES, free acid	7365-45-9
Glucose	50-99-7
Sodium pyruvate	113-24-6
Sodium lactate	312-85-6
Alanyl-glutamine	13115-71-4
EDTA, tetrasodium salt	10378.23-1



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Phenol red 34487-61-1
Gentamicin sulfate 1405-41-0

SECTION 4 – FIRST AID MEASURES

INHALATION: Not a likely source of exposure.
INGESTION: Wash out mouth with water. Do NOT induce vomiting. If swallowed, consult a physician.
SKIN: Wash with soap and water after each contact.
EYES: Flush with copious quantities of water. Assure adequate flushing by separating the eyelids with fingers. If irritation develops, consult a physician.
In case of serious hypersensitivity reaction, rush for immediate medical attention.

SECTION 5 – FIRE-FIGHTING MEASURES

FIRE HAZARD: Non-Flammable
EXTINGUISHING MEDIA: Water, Carbon Dioxide, or any other media suitable for surrounding fire.
FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PRECAUTIONS IN HANDLING and STORING: Small spills can be flushed down the drain with a large amount of water. For larger spills, use absorbent material and containerize the collection.

SECTION 7 – PRECAUTIONS FOR SAFE HANDLING & USE

Store in original container at 2-8°C, in a well-ventilated place, protected from light.
Keep container closed when not in use. Do not freeze.

SECTION 8 – EXPOSURE CONTROLS – PERSONAL PROTECTION

Avoid any unnecessary contact with skin. Do not mouth pipette. Store in cold room.
Individuals with previous history of allergy (from antibiotics) and/or asthma should avoid potential exposure.

RESPIRATORY PROTECTION: NIOSH-approved mechanical dust/mist cartridge respirator or NIOSH-approved single-use dust respirator.
VENTILATION: Local exhaust adequate; mechanical recommended.
PROTECTIVE GLOVES: Compatible chemical-resistance gloves.
EYE PROTECTION: Chemical safety goggles.



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SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Physical State:	Liquid, Pink / Orange
Odor:	Odorless
pH:	7.25 – 7.45
Boiling Point:	100°C
Fire Hazards in presence of various substances:	Non-Flammable
Explosive Properties:	No risk
Flash Point:	None
Vapor Pressure:	No data available
Density:	No data available
Solubility:	Soluble in water
Vapor Density:	No data available

SECTION 10 – STABILITY & REACTIVITY DATA

STABILITY:	Stable
HAZARDOUS POLYMERIZATION:	None known.
HAZARDOUS DECOMPOSITION PRODUCTS:	Toxic fumes of Carbon Monoxide and Carbon Dioxide, Nitrogen Oxides, and Sulfur Oxides when heated to decomposition or under fire conditions.

SECTION 11 – TOXICOLOGICAL INFORMATION

The toxicological properties of the preparation have not been fully investigated.

The toxicological information for the components is: Non-Toxic

Tested for embryo toxicity using one-cell mouse embryo assay and found to be non-toxic.

SECTION 12 – ECOLOGICAL INFORMATION

No information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

This material is not regarded as hazardous waste. Mix the material with water for disposal. Observe all federal, state, and local environmental regulations.

SECTION 14 – TRANSPORT INFORMATION

In accordance with ADR, RID, ADN, IMDG, and IATA.

UN number: Not regulated for transport.

Classified as non-hazardous for transport.



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SECTION 15 – REGULATORY INFORMATION

IRRITANT

Safety Phrases: S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water.
S36/37/39 Wear suitable protective clothing, gloves, and eye/face

protection.

Risk Phrases: R36/37/38 Irritating to eyes.

Regulations: The Chemicals (Hazard Information & Packaging for Supply) Regulations 2002.
1999/45/EC Dangerous Preparations Directive.
91/155/EC Safety Data Sheets Directive.

SECTION 16 – OTHER INFORMATION

Source of key data used to Compile Safety Data Sheet: Component Supplier Safety Data Sheets

The above information and recommendations are believed to be correct, are presented in good faith, and are based upon 29 CFR 1910:1200(d) Hazard Determination. INVITROCARE INCORPORATED does not guarantee the accuracy of this data and shall not be liable for any damage resulting from handling or from contact with the above product. The information shall not be taken as being all-inclusive and is to be used only as a guide with caution. This information is offered solely to you in the advisement for the safe use and handling of the material according to direction for use. (To use this material inconsistent with directions or labeling may constitute a hazard.) The recommendations here bear no legal requirements of Federal, State, Municipal, or Insurance codes.