



Safety Data Sheet for HTF w/ HEPES

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product Name: HTF w/ HEPES
Catalogue Numbers: GMHH-100, GMHH-250, GMHH-500
Manufacturer: LifeGlobal Group, LLC, 393 Soundview Rd, Guilford, CT 06437 US
T: 1-800-720-6375 F: 1-519-826-6947 Intl.: 001-519-826-5800
sales@LifeGlobal.com www.LifeGlobalGroup.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition:

Component	CAS-code	Approx. %
Water	7732-18-5	>85%
Calcium Chloride	10035-04-8	<1%
Sodium Chloride	7647-14-5	<1%
Potassium Chloride	7447-40-7	<1%
Potassium Phosphate	7778-77-0	<1%
Magnesium Sulfate	10034-99-8	<1%
Sodium Bicarbonate	144-55-8	<1%
Glucose	50-99-7	<1%
Lactate Na Salt	867-56-1	<1%
Sodium Pyruvate	113-24-6	<1%
Phenol Red	143-74-8	<1%
HEPES	7365-45-9	1%
Gentamicin Sulfate	1405-41-0	<1%

3. HAZARDOUS IDENTIFICATION

Contains Gentamicin Sulfate: This product contains the antibiotic gentamicin sulfate. Appropriate precautions should be taken to ensure that the patient is not sensitized to this antibiotic.

4. FIRST AID MEASURES

Eye contact: Flush with water. Get medical attention if irritation develops or persists.
Skin contact: Wash with soap and water.
Inhalation: No specific treatment is necessary since this material is not likely to be hazardous by inhalation.
Ingestion: Wash out mouth with water. Contact physician.

5. FIRE FIGHTING MEASURES

Flash point: Not applicable.
Extinguishing media: Not applicable.
Fire & Explosion Hazard: Not applicable.
Special firefighting procedure: Not applicable.

6. ACCIDENTAL RELEASE MEASURES

Spills: Use absorbent material to mop up spilled liquid.

7. HANDLING AND STORAGE

Recommended storage temperature: Minimum: +2°C (35.6 F) Maximum: +8°C (46.4 F)
Shelf life: Fourteen (14) weeks from the date of manufacture.
Handling (Personnel): Use care in handling and storage. Use aseptic working techniques at all times.



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LifeGlobal Europe, Rue de la Presse 4, 1000 Brussels Belgium
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Handling (Physical Aspects): Keep from freezing. Do not store at temperatures above 8°C. Close container after each use.
Storage precautions: Avoid extreme temperatures. Keep away from sunlight. Do not freeze.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering controls: No special ventilation required.
Eye/face protection: When splashing of the material may occur, goggles or a face shield is recommended. If splashing does occur flush immediately and thoroughly with copious quantities of water. Should serious reaction occur, seek medical attention immediately.
Skin protection: Handle with gloves and lab coat. Employees should wash hands after handling product. Avoid contact with skin, eyes and clothing.
Respiratory protection: Under normal use conditions, with adequate ventilation, no special handling equipment is required.
Exposure guidelines: No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Clear Liquid
Color: Colorless
Odor: None
Solubility in water: Complete

10. STABILITY AND REACTIVITY

Stability: Stable
Incompatibility: None known

11. TOXICOLOGY INFORMATION

Toxicity Date: Not established for this product.
Effect of Overexposure: Not established for this product.
Eye: Not expected to be an eye irritant, but can cause temporary discomfort.
Skin: Not expected to be a skin irritant.
Inhalation: Inhalation is not considered a potential route of exposure under normal laboratory use.
Ingestion: Not considered a potential route of exposure under normal laboratory use.

12. ECOLOGICAL INFORMATION

No known ecological damage.

13. DISPOSAL CONSIDERATION

Waste Disposal: Treat or dispose of waste material in accordance with all local state/provincial, and national requirements. Dispose with laboratory waste.

14. TRANSPORTATION INFORMATION

Product Label: HTF w/ HEPES
D.O.T. Hazard Class: Non-Hazardous
IATA/ICAO Air (54th edition IATA 2013): Non-Hazardous
Miscellaneous: Cool packs are needed for transportation.



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15. REGULATORY INFORMATION

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

16. OTHER INFORMATION

Information Sources:

This information is offered and is accurate to the best knowledge of LifeGlobal Group, LLC. The data on this sheet are related only to the specific material designated herein.

Disclaimer:

No claim is made that the information is all-inclusive, and it should be used only as a guide. LifeGlobal Group shall not be held liable for any damage resulting from handling or from contact with the product.