

Material Safety Data Sheet

HUMAN HEPATOCYTES
REGULATION (EC) No 1907/2006
Version 1.0

1. PRODUCT AND COMPANY INFORMATION

Product Name	Human Hepatocytes
Product References	HuHEFS, HuHEFP, HuHECP, HuHECS, HuHECPM, HuHECPMI, HuHECPMIT
Company Information	Cytes Biotechnologies, SL. Baldiri Reixac 4-8, I Tower Barcelona 08028 (Spain) +34 934034553 info@cytesbiotech.com

2. POTENTIAL HAZARDS INFORMATION

This product is not hazardous according to Regulation (EC) No 1272/2008. However, this product should be handled according to good lab practices, with proper personal protective equipment and proper engineering controls.

3. FORMULATION/INGREDIENTES INFORMATION

Product Name	Fresh Human Hepatocytes and Cryopreserved Human Hepatocytes (in suspension or plated). Cells are shipped in liquid cell culture media.
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4. FIRST AID MEASURES

Report to Safety Office and Seek Medical Attention as Soon as Possible

Inhalation	Remove to fresh air. Give oxygen if breathing becomes difficult. Contact a physician.
Contact eye	Flush thoroughly with water for at least 15 minutes. Contact a physician.
Contact with skin	Wash the area with soap and copious amounts of water. Remove all contaminated clothing. Should irritation occur, contact a physician.
Ingestion	If the person is conscious wash out mouth with copious amounts of fresh water and contact a physician.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing media	Water spray, Carbon dioxide, dry chemical powder, or appropriate foam.
Special Protective Equipment for Firefighters	If necessary, use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Flammability	Data no available

6. ACCIDENTAL RELEASE MEASURES

Personal Precaution	Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.
Methods for cleaning up	Wear protective clothing. Wipe up spilled product using tissue towels. Place waste in closes containers for disposal.

7. HANDLING AND STORAGE

Handling	Follow established laboratory procedures when handling material. Avoid contact with eyes, skin, mucous membranes and clothing.
Storage	Fresh cells should be used immediately upon arrival. Plated cells must be light protected storage at 37°C, 5F% CO ₂ and 95% humidity. Cryopreserved cells must be stored in LN2 immediately after arrival.

8. PERSONAL PROTECTION AND EXPOSURE CONTROL INFORMATION

Respiratory protection	Not required
Eye protection	Safety glasses
Skin protection	Chemical protective gloves and appropriate lab coat
General hygiene measures	Wash thoroughly after handling.
Engineering controls	Make available appropriate eyewash and safety shower facilities. Use appropriate ventilation method.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid: HuHEFS, HuHEFP, HuHECP Frozen: HuHECS, HuHECPM, HuHECPMI, HuHECPMIT
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10. CHEMICAL STABILITY AND REACTIVITY

Stability	Stable product.
Hazardous polymerization	Hazardous polymerization will not occur.

11. TOXICOLOGICAL DATA

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Avoid eye contact, can cause eye irritation. Avoid skin contact and absorption, can cause skin irritation and be harmful if it is absorbed. Avoid inhalation, can cause irritation to mucous membranes upper respiratory tract. Avoid ingestion, can be harmful if swallowed. Avoid parenteral exposure.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL

Decontaminate all wastes before disposal (steam sterilization, chemical disinfection, and/or incineration).

Follow all federal, state and local environmental regulations for disposal.

14. TRANSPORT INFORMATION

This product is not subject to any transport regulations.

RID/ADR	Non-hazardous for road transport.
IMDG	Non-hazardous for sea transport.
IATA	Non-hazardous for air transport.

15. BIOHAZARD WARNING

Tissue fractions such as hepatocytes must be considered as potentially biohazardous, and must be treated as biohazards in the laboratory.

16. CLASSIFICATION AND REGULATION INFORMATION

In accordance to current EC-Regulations this product is exempt from specific labelling requirements.

17. OTHER INFORMATION/DISCLAIMER

The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. The information above is believed to be correct but may not be all-inclusive and should only be used as a guide. Cytes Biotechnologies SL makes no warranty of any kind whatsoever with respect thereto disclaims all liability from reliance thereon.

For in vitro research use only. Not for diagnostic or therapeutic procedures.