



Material Safety Data Sheet for Human Hepatocytes

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Version 2.0
Regulation (EC) No 1907/2006

1 - Product and Company Information			
Product Name	VARIOUS HUMAN OR ANIMAL HEPATOCYTES		
Product Number	HHCP13		
Company	KaLy-Cell S.a.r.l. 20A rue du Général Leclerc F-67115 PLOBSHEIM		
Technical Phone #	33 (0)3 88 10 88 30		
Fax #	33 (0)3 88 43 56 71		
E-mail Address	e.alexandre@kaly-cell.com		
Emergency Phone #	I.N.R.S:+33 (0)1 45 42 59 59		
2 - Hazards Identification			
HMIS Rating:	Health: 0	Flammability: 0	Reactivity: 0
NFPA Rating:	Health: 0	Flammability:0	Reactivity:0
<p>This substance is not hazardous as defined by OSHA 29CFR 1910.1200 however this product should be handled according to good lab practices, with proper personal protective equipment, proper engineering controls and within the parameters of the purchaser's safety program.</p> <p>Health Hazards</p> <p>For Biosafety Level 1 Cell Cultures</p> <p>Handle as a potentially biohazardous material under at least Biosafety Level 1 containment. These cells are not known to cause disease in healthy adult humans. These cells have been screened for Hepatitis B and C and human immunodeficiency viruses, unless otherwise reported on the Certificate of Analysis. Regardless of results reported on the Certificate of Analysis Universal Precautions according to 29 CFR 1910.1030 should be followed at all times when manipulating these cells.</p> <p>For Biosafety Level 2 Cell Cultures</p> <p>Handle as a potentially biohazardous material under at least Biosafety Level 2 containment. These cells are associated with human disease, hazards include: percutaneous injury, ingestion, mucous membrane exposure (U.S. Government Publication Biosafety in Microbiological and Biomedical Laboratories). These cells have been screened for Hepatitis B and C, human immunodeficiency viruses, unless otherwise reported on the Certificate of Analysis. Regardless of results reported on the Certificate of Analysis Universal Precautions according to 29 CFR 1910.1030 should be followed at all times when manipulating these cells.</p>			
3 - Composition/Information on Ingredients			
<p>Either frozen or plated cells shipped in liquid cell culture medium (a mixture of components that may include, but is not limited to: inorganic salts, vitamins, amino acids, carbohydrates and other nutrients dissolved in water). Frozen cells may also contain a 5%-10% solution of Dimethyl sulfoxide as a cryoprotectant.</p>			
4 - First Aid Measures			
<p>Report to your Safety Office and Seek Medical Attention as Soon as Possible</p> <p>AFTER INHALATION</p> <p>If person is unconscious seek emergency medical attention, if person is conscious remove to fresh air and call a physician.</p> <p>AFTER SKIN CONTACT</p> <p>In case of contact, immediately wash skin with soap and copious amounts of water. Remove all</p>			



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<p>contaminated clothing.</p> <p>AFTER EYE CONTACT</p> <p>In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.</p> <p>AFTER INGESTION</p> <p>If person is unconscious seek emergency medical attention; never give anything by mouth to an unconscious person. If the person is conscious wash mouth out with copious amounts of water and call a physician then administer three cupfuls of water. Do not induce vomiting unless directed to do so by a physician.</p>
<p>5 - Fire Fighting Measures</p>
<p>EXTINGUISHING MEDIA</p> <p>Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.</p> <p>SPECIAL RISKS</p> <p>Responders should take into consideration the biohazard risk associated with responding to a fire in the area where the material may be stored or handled.</p> <p>SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS</p> <p>Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.</p> <p>FLAMMABILITY</p> <p>Data not available.</p>
<p>6 - Accidental Release Measures</p>
<p>PROCEDURE(S) OF PERSONAL PRECAUTION(S)</p> <p>Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.</p> <p>METHODS FOR CLEANING UP</p> <p>Patient/Victim: Wash with soap and water. Work clothes should be laundered separately. Launder contaminated clothing before re-use. Do not take clothing home.</p> <p>Equipment/Environment: Allow aerosols to settle; wearing protective clothing, gently cover spill with paper towel and apply 1% sodium hypochlorite, starting at perimeter and working towards the center; allow sufficient contact time before clean up (30 min).</p> <p>Note: The use of additional PPE may be necessary for cleaning solutions.</p>
<p>7 - Handling and Storage</p>
<p>Handle and store according to instructions on product information sheet and label.</p> <p>Special Requirements: Follow established laboratory procedures when handling material.</p>
<p>8 - Exposure Controls / Personal Protection</p>
<p>ENGINEERING CONTROLS</p> <p>The use and storage of this material requires user to maintain and make available appropriate eyewash and safety shower facilities. Use fume hood or other appropriate ventilation method to keep airborne concentrations as low as possible.</p> <p>PERSONAL PROTECTIVE EQUIPMENT</p> <p>Including Eye Protection, Chemical Resistant Gloves, and appropriate clothing to prevent skin exposure. In addition, a Respiratory protection program that complies with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.</p> <p>GENERAL HYGIENE MEASURES</p> <p>Wash thoroughly after handling.</p>
<p>9 - Physical and Chemical Properties</p>
<p>Data not available</p>
<p>10 - Stability and Reactivity</p>
<p>STABILITY</p> <p>Stable.</p>



<p>Materials to Avoid: data not available. HAZARDOUS DECOMPOSITION PRODUCTS Hazardous Decomposition Products: data not available. HAZARDOUS POLYMERIZATION Hazardous Polymerization: Will not occur.</p>
<p>11 - Toxicological Information</p>
<p>Route of Exposure Eye Contact: Data not available. Avoid eye contact. Skin Contact: Data not available. Avoid skin contact. Skin Absorption: Data not available. Avoid skin absorption. Inhalation: Data not available. Avoid inhalation. Ingestion: Data not available. Avoid ingestion. Parenteral Exposure: Data not available. Avoid parenteral exposure.</p> <p>Sensitization Skin: Data not available Respiratory: Data not available</p> <p>Target Organ(s) or System(s): Data not available</p> <p>Signs and Symptoms of Exposure Skin and Mucous Membranes: Data not available Respiratory: Data not available Gastrointestinal: Data not available</p> <p>Toxicity Data: Data not available Effects of Long Term or Repeated Exposure: Data not available Chronic Exposure–Teratogen: Data not available Chronic Exposure–Mutagen: Data not available Chronic Exposure–Reproductive Hazard: Data not available. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.</p>
<p>12 - Ecological Information</p>
<p>No data available.</p>
<p>13 - Disposal Considerations</p>
<p>Decontaminate all wastes before disposal (steam sterilization, chemical disinfection, and/or incineration). Dispose of in accordance with applicable regulations.</p>
<p>14 - Transport Information</p>
<p>RID/ADR Non-hazardous for road transport. IMDG Non-hazardous for sea transport. IATA Non-hazardous for air transport.</p>
<p>15 - Regulatory Information</p>
<p>In agreement with the local and national regulations according to Directive 1999/45/EC, this product should be classified and labeled as follows: Indication of danger Skin Absorption Components of the product can be absorbed through the skin Risk Phrases No information available Safety Phrases S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S36/37 - Wear protective clothing and gloves.</p>
<p>16 - Other Information</p>
<p>WARRANTY</p>



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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. 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. It does not represent any guarantee of the properties of the product. KaLy-Cell Sarl shall not be held liable for any damage resulting from handling or from contact with the above product.

DISCLAIMER

For R&D use only. Not for drug, household or other uses.