

SAFETY DATA SHEET

Section 1 - Product and Company Information

Product Name: **Various ACBRI Cells of Human Origin**
Product Number: **ACBRI Various**
Brand: ACBRI
Company: Cell Systems
Street Address: 127 10th St. S, Ste 600, Kirkland, WA 98033
Technical Phone: 425-823-1010
Fax: 425-820-6762

Section 2 - Hazards Identification

GHS Symbol: N/A
Signal Word: N/A
HMIS RATING: HEALTH: 0 FLAMMABILITY: 0 REACTIVITY: 0
NFPA RATING: HEALTH: 0 FLAMMABILITY: 0 REACTIVITY: 0

Though ACBRI cells are derived from normal (non-diseased) tissue samples, "Human and other primate cells should be handled using BSL-2 (Biosafety Level) practices and containment." [US CDC: [Biosafety in Microbiological and Biomedical Laboratories](#); Appendix H: "Working With Human, NHP and Other Mammalian Tissues", p 338]

ROUTE OF EXPOSURE:

Skin Contact – Data not available
Skin Absorption – Data not available
Eye Contact – Data not available
Ingestion – Data not available
Parenteral Exposure – Data not available

Section 3 - Composition/Information on Ingredient

Cell culture of various human cells cryopreserved or proliferating in 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). Cryopreservation medium also contains 5% DMSO (dimethyl sulfoxide) as a cryoprotectant.

Section 4 - First Aid Measures

ORAL EXPOSURE: If swallowed, wash out mouth with copious amounts of water provided person is conscious. Call a physician

INHALATION EXPOSURE: If inhaled, remove to fresh air. If breathing becomes difficult, call a physician

DERMAL EXPOSURE: In case of contact, immediately wash skin with soap and copious amounts of water

EYE EXPOSURE: In case of contact with eyes, flush with copious amounts of water. Assure adequate flushing by separating the eyelids with fingers. Call a physician

Section 5 - Fire Fighting Measures

FLASH POINT: N/A

AUTOIGNITION TEMP: N/A

FLAMMABILITY: N/A

EXTINGUISHING MEDIA Suitable: Water spray, carbon dioxide, dry chemical powder or appropriate foam.

FIREFIGHTING: Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes

Section 6 - Accidental Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTION(S): Exercise appropriate precautions to minimize direct contact with skin or eyes including use of PPE

METHODS FOR CLEANING UP: Soak up material with absorbent towel. Ventilate area and wash spill site after material pickup is complete. Launder contaminated clothing prior to re-use.

Section 7 - Handling and Storage

HANDLING

Handle and store according to product information and label instructions

User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure

STORAGE

Suitable: Keep tightly closed.

Ship: On dry ice or in LN2

Store: In LN2

Section 8 - Exposure Controls / PPE

EXPOSURE LIMITS: No exposure limits for this material have been established. There are no vacated OSHA PELs for this material.

ENGINEERING CONTROLS: Use fume hood or other appropriate ventilation method. Available safety shower and eye bath

PERSONAL PROTECTIVE EQUIPMENT

Respiratory: Wear dust or surgical mask

Hand: Protective gloves

Eye: Chemical safety goggles

GENERAL HYGIENE MEASURES: Wash thoroughly after handling.

Section 9 - Physical/Chemical Properties

Appearance Physical State: Cryopreserved solid (frozen culture) or amber liquid (proliferating culture)

Molecular Weight N/A

pH = 7.0-7.4

BP/BP Range N/A

MP/MP Range N/A

Freezing Point N/A

Vapor Pressure N/A

Vapor Density N/A

Saturated Vapor Conc. N/A

Bulk Density N/A

Odor Threshold N/A

Volatile% N/A

VOC Content N/A

Water Content N/A

Solvent Content N/A

Evaporation Rate N/A

Viscosity N/A

Surface Tension N/A

Partition Coefficient N/A

Decomposition Temp. N/A

Flash Point N/A

Explosion Limits N/A

Flammability N/A

Autoignition Temp N/A

Refractive Index N/A

Optical Rotation N/A

Miscellaneous Data N/A

Solubility N/A

N/A = not available

Section 10 - Stability and Reactivity

STABILITY

Chemical Stability: Stable

Materials to Avoid: N/A

Hazardous Decomposition Products: Not known

Hazardous Polymerization: Will not occur

N/A = not available

Section 11 - Toxicological Information

ROUTE OF EXPOSURE:

Skin Contact: May cause skin irritation

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation

Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract

Ingestion: May be harmful if swallowed

SIGNS AND SYMPTOMS OF EXPOSURE

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

Section 12 - Ecological Information

Contains no substances known to be hazardous to the environment or not degradable in wastewater treatment plants.

Section 13 - Disposal Considerations

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

Isolate product in a tightly closed container and contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state, and local environmental regulations

Section 14 - Transport Information

USDOT Classification: Not a USDOT controlled material.

Inland Waterways (AND): Not a dangerous good in this transport regulation.

Sea Transport (IMDG): Not a dangerous good in this transport regulation.

Air Transport (IATA-DGR): Not a dangerous good in this transport regulation.

Section 15 - Regulatory Information

TSCA Inventory: Not listed.

SARA LISTED: No

CLEAN AIR ACT, Section 112, Hazardous Air Pollutants (HAP):

Product does not contain HAPs

Section 16 - Other Information

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

WARRANTY: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Cell Systems, shall not be held liable for any damage resulting from handling or from contact with the above product. See website for additional terms and conditions of sale.

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