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SAFETY DATA SHEET (SDS)

Date issued: 11/01/2017

1. Manufacturer Information

Manufacturer / Supplier: StemBioSys, Inc.

Product Name: CELLvo™ PRIMARY H-CHONDROCYTES (P0) and
CELLvo™ H-CHONDROCYTES (P2)

Supplier Number: HCA-100-000, HCA-100-XF6WP, HCA-100-XF75, HCA-100-XF150,
HCA2-100-000, HCA2-100-XF6WP, HCA2-100-XF75, and HCA2-100-XF150

Product Description: Human primary chondrocytes are freshly isolated from articular cartilage of young, skeletally-mature, recently-deceased, otherwise-healthy cadavers by enzymatic digestion under xeno-free conditions. Human articular chondrocytes are mature cells capable of proliferation under standard cell culture conditions and express a high ratio of collagen type II to collagen type I. Human primary chondrocytes are intended for research use only.

Information Department: (210)877-9323

Emergency Phone: (210)877-9323

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2. Hazard Identification

Hazard Description:

The product contains no substances which at their given concentration, are known to be hazardous to health.

NFPA Ratings (Scale: 0 - 4)

Health = 0

Fire = 0

Reactivity = 0

3. Composition / Data on Components

CAS No. Description: Not applicable

4. First Aid Measures

General information

- | | |
|---------------------------------|--|
| · After inhalation | No special measures required.
Supply fresh air; consult doctor in case of complaints. |
| · After skin contact | Immediately wash with water and soap and rinse thoroughly. |
| · After eye contact | Rinse opened eye for 15 minutes under running water. If symptoms persist consult a doctor. |
| · After swallowing | If swallowed, rinse mouth with water (only if the person is conscious) |
| · Information for doctor | Treat symptomatically. |

5. Fire Fighting Measures

Flash Point: Not combustible.

Suitable extinguishing agents: Not applicable.

Protective equipment: No special measures required.

6. Accidental Release Measures

Person-related safety precautions:

- Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection:

- Wipe up with damp sponge or mop.

Measures for cleaning/collecting:

- No special measures required.

Additional information:

- No dangerous substances are released.

7. Handling and Storage

Handling:

Information for safe handling:

- As with all human biologic components, universal handling precautions are recommended.

Information about protection against explosions and fires:

- No special measures required.

Storage:

Requirements to be met by storerooms and receptacles: *frozen in liquid nitrogen temperature*

Information about storage in one common storage facility: Store away from oxidizing agents.

8. Exposure Controls and Personal Protection

Additional information about the design of technical systems: No further data; see item 7.

Components with limit values that require monitoring at the workplace: Not required.

Personal Protective Equipment:

General protective and hygienic measures: The usual precautionary measures for handling biologics should be followed.

Breathing equipment: No data available

Protection of hands: Chemical resistant gloves (i.e. nitrile or equivalent).

Eye protection: Safety glasses.

Body protection: Protective work clothing (lab coat).

9. Physical and Chemical Properties

Form: frozen liquid

Color: Colorless

Odor: Odorless

Change in condition:

Melting point/ Melting range: Not determined.

Boiling point/ Boiling range: Not applicable.

Flash point: Not applicable

Flammability (solid, gaseous): Product is not flammable.

Danger of explosion: Product does not present an explosion hazard.

Density: Not determined

Solubility in /Miscibility with: Not determined

10. Stability and Reactivity

Thermal decomposition / conditions to be avoided:

- No decomposition if used according to specifications.

Dangerous reactions:

- No dangerous reactions known.

Dangerous products of decomposition:

- No dangerous decomposition products known.

11. Toxicological Information

Acute toxicity:

Primary irritant effect:

On the skin: No information available.

On the eye: No information available.

Sensitization:

No information available.

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12. Ecological Information

No information available.

13. Disposal Considerations

Can be disposed of as waste water when in compliance with local, state and federal regulations.

14. Transportation Information

DOT Proper shipping name: not available

Non-hazardous for transportation: this substance is considered to be non-hazardous for transport.

IATA Non-hazardous for Air Transport: non-hazardous for air transport

15. Regulatory Information

United States Regulatory Information SARA Listed: This product is not regulated by SARA

TSCA: This product is not regulated by TSCA

16. Other information

Disclaimer: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT USED FOR DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.

The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS MSDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.