

Safety Data Sheet

In accordance with Commission Regulation (EU) No 453/2010

Revision Date: 01/02/2022

Version: 1

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name: CnT Corneal Epithelium Progenitors, Adult, Single Donor
Catalog number: HCEP

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant uses: For research use only.
Uses advised against: Not for consumer, diagnostic or therapeutic use.

1.3 Details of the supplier of the safety data sheet

Supplier: CELLnTEC Advanced Cell Systems AG
Stauffacherstrasse 78
CH-3014 Bern
Switzerland
info@cellntec.com

1.4 Emergency telephone number

Telephone (office hours): +41 31 331 9582

Section 2. Hazards Identification

2.1 Classification of substance or mixture

An aqueous nutrient solution containing Dimethyl Sulfoxide (DMSO) at approximately 10% concentration, and other inert, non-hazardous cryoprotective ingredients.

2.2 Label elements

Undiluted DMSO is a combustible liquid (H227). Protective clothing including gloves, eye protection, face protection is required (H280)

2.3 Other hazards

DMSO is readily absorbed through the skin. Has the potential to carry toxic materials into the body. May be harmful by inhalation, ingestion or skin absorption.
Hazards not covered by GHS: This product contains raw material of human/animal source. The cells in this product have been tested using approved and found negative for Hepatitis B, Hepatitis C, and HIV 1. These tests cannot offer complete assurance of the absence of these or other infectious agents.

Section 3. Composition/information on ingredients

3.1 Substances

This product is a cell suspension in an aqueous nutrient solution containing Dimethyl Sulfoxide (DMSO) at approximately 10% concentration.

3.2 Mixtures

Chemical Name	CAS-No.	Weight Percent
Dimethyl Sulfoxide	67-68-5	Approx. 10%
Water	7732-18-5	Approx. 90%

Section 4. First aid measures

4.1 Description of first aid measures

Skin contact: Rinse with soap and plenty of water for 15 minutes. Get medical attention if symptoms occur.
Eye contact: Rinse with plenty of water for 15 minutes. Have eyesight tested by trained medical personnel.
Ingestion: Remove to fresh air, wash out mouth if person is conscious. Get

medical attention. Do not induce vomiting unless directed by medical personnel.

Inhalation

Remove to fresh air, give oxygen or artificial respiration if not breathing. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

May cause gastrointestinal irritation, shortness of breath, vomiting, dizziness or drowsiness. Eye contact may cause blurry vision, burning sensation, redness. May cause respiratory or skin irritation.

4.3 Indication of any immediate medical attention and special treatment needed

None.

Section 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water spray. Carbon dioxide. Foam. Dry chemical.

Unsuitable extinguishing media: None known.

5.2 Special hazards arising from the substance or mixture

None.

5.3 Advice for firefighters

Standard procedure for chemical fires. In aqueous solution DMSO is poorly combustible.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Always wear recommended Personal Protective Equipment. See Section 8 for more detail.

6.2 Environmental precautions

Prevent entry drains and waterways.

6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material.

Section 7. Handling and storage

7.1 Precautions for safe handling

Use personal protective equipment including skin and eye protection. Do not eat or drink in work areas. Remove any contaminated clothing before entering eating areas. Keep away from flame and other ignition sources.

7.2 Conditions for safe storage, including any incompatibilities

Keep in tightly closed, properly labelled containers, according to the storage conditions on the label.

7.3 Specific end uses

See section 1.2.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Aqueous mixture does not have an OEL

8.2 Exposure controls

Engineering measures: Ensure adequate ventilation in confined areas.

Eye/Face protection: Wear safety goggles.

Skin protection: Wear suitable protection clothing and chemical resistant gloves.

Respiratory protection: Not required, except in case of aerosol formation.

Environmental exposure controls: No special environmental precautions necessary. Avoid discharge into drains where possible.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Liquid.
Odor:	None.
pH	Neutral.

9.2 Other information

None available.

Section 10. Stability and reactivity

10.1 Reactivity

See section 10.3.

10.2 Chemical Stability

Stable at ambient conditions.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity:	No data available.
Skin corrosion/irritation:	May cause skin irritation, redness, itching. DMSO may accelerate absorption of other materials.
Serious eye damage/irritation:	May cause eye irritation, including redness, swelling, tearing and blurred vision.
Skin sensitization:	Non sensitizing.
Germ cell mutagenicity:	No data available.
Carcinogenicity:	No known carcinogens are found in this product.
Reproductive toxicity:	No data available.
STOT – single exposure:	No data available.
STOT – repeated exposure:	No data available.
Aspiration hazard:	May cause respiratory irritation.
Other adverse effects:	No data available.

Section 12. Ecological information

12.1 Toxicity

No data available.

12.2 Persistence and degradability

DMSO is stable in light and water.

12.3 Bio-accumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB

12.6 Other adverse effects

No data available.

Section 13. Disposal considerations

13.1 Waste treatment methods

Empty containers may retain some product residues. Disposal of this product and its packaging shall comply with the requirements of applicable regional and national regulations.

Section 14. Transport information

IATA/ADR/DOT/IMDG:	Not classified as dangerous in transport regulations.
UN Number:	Not applicable.
Transport hazard classes:	Not applicable.
Packing group:	Not applicable.
Environmental hazards	Not applicable.
Special precautions:	No data available.

Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Substances of very high concern: None.

Restricted substances under EC 1907/2006 Annex XVII: None.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out

Section 16. Other information

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.

----- End of Safety Data Sheet -----