

# MSDS

## 1. Product Identification / Manufacturer Information

Cat No./Name HPEKs / Epidermal Keratinocytes, Single Donor  
Description Primary human epidermal keratinocytes, cryopreserved  
Manufacturer CELLnTEC Advanced Cell Systems AG  
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## 2. Hazards Information

The product is classified in accordance with Directive 1999/45/EC

Hazards To the best of our knowledge, no toxicity hazards are associated with this product.  
GHS-Classification None

## 3. Composition

Composition Contains 10% DMSO (CAS No: 68-67-5) in aqueous solution. No other hazardous chemicals.  
CAS Number None  
EC Number None

## 4. First Aid Measures

Inhalation Move to fresh air.  
Skin contact Rinse with fresh water, may cause allergic reaction in sensitized individuals.  
Eye contact Rinse thoroughly with plenty of fresh water, also under the eyelids.  
Ingestion Flush out the mouth with water. Call a physician.

## 5. Fire Fighting Measures

Product is not flammable but use appropriate measures to extinguish the product's PETE bottle should it burn.  
Suitable extinguishing media: Dry chemical.

## 6. Accidental Release Measures

Personal precautions Use personal protective equipment. Avoid skin/eye contact, inhalation of vapours.  
Clean up Soak up with inert absorbent material.

## 7. Handling and Storage

Handling Contains biological material. Handle in accordance with good biosafety and hygiene practices.  
Storage Store at -196°C (liquid nitrogen).  
VbF-Class Not applicable.

## 8. Exposure Controls / Personal Protection

Personal protective equipment: Lightweight protective clothing.  
Respiratory protection Lightweight mask for nose/mouth.  
Hand protection Impervious chemical-resistant gloves.  
Eye protection Safety glasses with side-shields.

## 9. Physical and Chemical Properties

Form / Appearance	Clear or translucent aqueous solution.
Boiling point/range	Approximately 100°C.
Melting point/range	No information available.
Flash point	No information available.
Autoignition temp	No information available.
Oxidizing properties	No Information available.

## 10. Stability and Reactivity

Hazardous decomposition products / Materials to avoid:	No information available.
Stability	Stable under normal handling procedures.
Dangerous reactions	No information available.
Polymerization	Hazardous polymerization does not occur.

## 11. Toxicological Information

The toxicology of this material has not been fully tested, however to the best of our knowledge this product contains no hazardous material.

Potential health effects:

Skin	DMSO is easily absorbed by skin. May cause skin irritation.
Eyes	May cause eye irritation.
Inhalation	Material may be irritating to mucous membranes and upper respiratory tract.
Ingestion	No information available.
Sensitization	No information available.
Additional information	No information available.

## 12. Ecological Information

No information available.

## 13. Disposal Consideration

Dispose of in accordance with local regulations.

## 14. Transport Information

Proper shipping name	Not classified as dangerous with regard to transport regulations.
Hazard Class	No information available.
Subsidiary Class	No information available.
Packing group	No information available.

## 15. Regulatory Information

This product is classified and labeled in accordance with Directive 1999/45/EC.

EWG Hazard Not dangerous.

Dangerous components requiring special labeling: Not applicable.

## 16. Other Information

Please see the product datasheet for additional information.

The above information is believed to be correct but does not purport to be all inclusive and should be used only as a guide for experienced personnel. CELLnTEC shall not be held liable for improper use of this product.