



# Safety Data Sheet

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)  
Classification according to Regulation (EC) No. 1272/2008 [CLP]

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### Product identifier

<b>Product code</b>	S96
<b>Product name</b>	DH5alpha-competent cells
<b>Chemical Name</b>	Not Applicable
<b>REACH registration number</b>	No registration number is given yet for this substance / substances in this mixture since the annual import quantity is less than one tonnage per annum or the transition period for its registration according to Article 23 of REACH has not yet expired.

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

<b>Relevant identified uses</b>	For research use only
<b>Use Description Code</b>	SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen), PROC15 - Use as laboratory reagent, PC21 - Laboratory chemicals, SU24 - Scientific research and development
<b>Uses advised against</b>	Not for consumer use.

### Details of the supplier of the safety data sheet

#### Manufacturer /Supplier

Synovance SAS  
4 rue Pierre Fontaine  
Genopole Campus 3  
91058 Evry, France

**Revision date** 10-Dec-2020  
**Product code** S96

**Page** 1 / 9  
**Product name** DH5a competent cells

## SECTION 2: Hazards identification

### Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008[CLP]

#### **Physical hazards**

Not Hazardous

#### **Health hazards**

#### **Environmental hazards**

Not Hazardous

#### **Additional information**

Not Applicable

### Label elements

Labelling according to Regulation (EC) No 1272/2008[CLP]

#### **Hazard pictograms**

No Pictogram

#### **Signal Word**

None

#### **Hazard Statements**

Not Applicable

#### **Precautionary Statements**

#### **Prevention**

Not Applicable

#### **Response**

Not Applicable

#### **Storage**

Not Applicable

#### **Disposal**

Not Applicable

#### **Other hazards**

Not Applicable

### SECTION 3: Composition/information on ingredients

Component	CAS No	EINECS-No.	Weight-%	REACH registration number	Classification according to Regulation (EC) No. 1272/2008[CLP]
Glycerin 56-81-5 ( 7-13 )	56-81-5	200-289-5	7-13	01-2119471987-18-X XXX	Not classified

### SECTION 4: First aid measures

#### Description of first aid measures

<b>Skin contact</b>	Rinse skin with water. Immediate medical attention is not required.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Ingestion</b>	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
<b>Inhalation</b>	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
<b>Notes to Physician</b>	Treat symptomatically.

#### Most important symptoms and effects, both acute and delayed

Not Applicable

#### Indication of any immediate medical attention and special treatment needed

None.

### SECTION 5: Firefighting measures

#### Extinguishing media

**Suitable extinguishing media**  
**Unsuitable extinguishing media**

Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.  
No information available.

#### Special hazards arising from the substance or mixture

Not known

#### Protective equipment and precautions for firefighters

Standard procedure for chemical fires.

## SECTION 6: Accidental release measures

### **Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

Always wear recommended Personal Protective Equipment

Use personal protection equipment

See section 8 for more information

### **Environmental precautions**

No special environmental precautions required. .

### **Methods and material for containment and cleaning up**

Soak up with inert absorbent material.

### **Reference to other sections**

See section 8 for more information.

## SECTION 7: Handling and storage

### **Precautions for safe handling**

Use personal protective equipment as required. No special handling advices are necessary.

### **Conditions for safe storage, including any incompatibilities**

Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.

### **Specific end use(s)**

For research use only.

## SECTION 8: Exposure controls/personal protection

### Control parameters

Chemical Name	EU OEL (TWA)	EU OEL (STEL)	EU Skin Notation
Glycerin 56-81-5	None	None	None

Chemical Name	Austria	Belgium (TWA)	Czech Republic
Glycerin 56-81-5	None	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup> TWA 15 mg/m <sup>3</sup> Ceiling

Chemical Name	Denmark (TWA)	Finland OEL (TWA)	France OEL (VME)
Glycerin 56-81-5	None	None	10 mg/m <sup>3</sup>

Chemical Name	Germany OEL (TWA)	Ireland (TWA)	Italy OEL (TWA)
Glycerin 56-81-5	200 mg/m <sup>3</sup> exposure factor 2	None	None

Chemical Name	Lithuania OEL (TWA)	Netherlands OEL (MAC)	Norway
Glycerin 56-81-5	None	None	None

Chemical Name	Poland	Portugal	Spain OEL (TWA)
Glycerin 56-81-5	10 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup>

Chemical Name	Sweden –Occupational Exposure Limits –TLVs (LLVs)	Switzerland	United Kingdom
Glycerin 56-81-5	None	100 mg/m <sup>3</sup> STEL 50 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup> TWA (mist)

**Engineering Measures**      Ensure adequate ventilation, especially in confined areas.

### Exposure controls

#### Personal protection equipment

**Respiratory protection**      In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

**Hand protection**              Wear suitable gloves Glove material: Compatible chemical-resistant gloves.

**Eye protection**                Tight sealing safety goggles.

**Skin and Body Protection**    Wear suitable protective clothing.

**Hygiene Measures**            Handle in accordance with good industrial hygiene and safety practice.

#### Environmental exposure controls

No special environmental precautions required.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance	liquid	
Odour	No data available	
Odour Threshold	No data	
Molecular Weight	No data	
pH	6-8	
Melting point /melting range	°C No data	°F No data
Boiling point /boiling range	°C No data	°F No data
Flash point	°C No data	°F No data
Autoignition Temperature	°C No data	°F No data
Decomposition temperature	°C No data	°F No data
Evaporation rate	No data	
Flammability (solid, gas)	No data available	
Upper explosion limit	No data	
Lower explosion limit	No data	
Vapour Pressure	No data	
Vapour density	No data	
Relative density	No data	
Specific gravity	No data	
Solubility	No data available	
Partition coefficient: n-octanol/water	No data available	
Viscosity	No data	
Explosive properties	No data	
Oxidising properties	No data	

### Other information

No data available.

## SECTION 10: Stability and reactivity

Reactivity	None known.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Hazardous reaction has not been reported.
Conditions to avoid	No information available.
Incompatible materials	No dangerous reaction known under conditions of normal use.
Hazardous decomposition products	No data available.

## SECTION 11: Toxicological information

### Information on toxicological effects

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Glycerin	= 12600 mg/kg Oral	No data available	>570mg/m <sup>3</sup> (Rat)

### Principal Routes of Exposure

**Skin corrosion/irritation** Data are conclusive but insufficient for classification

**Serious eye damage/irritation**Dataareconclusive but insufficient for classification

**Respiratory or skin sensitisation** Data are conclusive but insufficient for classification

**Specific target organ toxicity (STOT)– single exposure** Data are conclusive but insufficient for classification

**Specific target organ toxicity (STOT)– repeated exposure** Data are conclusive but insufficient for classification

**Carcinogenicity** Data are conclusive but insufficient for classification

**Germ cell mutagenicity** Data are conclusive but insufficient for classification

**Reproductive Toxicity** Data are conclusive but insufficient for classification

**Aspiration Hazard** Data are conclusive but insufficient for classification

## SECTION 12: Ecological information

### Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates	Toxicity to fish	Microtox Data	log Pow
Glycerin	No data available	Daphnia magna EC50>500 mg/L (24 h)	No data available	No data available	logPow-1.76

**Persistence and degradability** No information available.

**Bioaccumulative potential** No information available.

### Results of PBT and vPvB assessment

No information available.

### Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

## SECTION 14: Transport information

### IATA /ADR /DOT-US /IMDG

Not classified as dangerous in the meaning of transport regulations

UN number	Not Applicable
UN proper shipping name	Not Applicable
Transport hazard class(es)	Not Applicable
Packing group	Not Applicable

### Environmental hazards

Not Applicable

### Special precautions for user

Not Applicable

### Transport in bulk according to Annex II of MARPOL and the IBC Code

Not Applicable.

## SECTION 15: Regulatory information

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

### Substances of Very High Concern

None.

### Substance subject to authorisation per REACH Annex XIV

None

### Restricted substances under EC 1907/2006,AnnexXVII

None.

### Substances listed under Annex I of Regulation (EC) No 689/2008

None.

### Restricted substances under Annex V of Regulation (EC) No 689/2008

None.



Substances under Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC  
None.

#### German Water hazard classes (Wassergefährdungsklassen)

Chemical Name	Weight-%	Water hazardclass (WGK)
Glycerin	7-13	hazard class 1 - slightly hazardous to water

#### Other International Inventories

Chemical Name	EINECS (European Union)	ELINCS (European List of Notified Chemical Substances)	ENCS (Japan)	PICCS (Philippines)
Glycerin	Listed	-	Listed	Listed

Chemical Name	AICS (Australia)	South Korea (KECL)	Canada (DSL)	NDSL
Glycerin	Listed	Listed	Listed	-

#### Chemical safety assessment

No Chemical safety assessment has been carried out.

#### SECTION 16: Other information

**Reason for revision** Update according to Commission Regulation (EU) No 830/2015  
**Revision number** 1  
**Revision date** 10-Dec-2020

#### References

- ECHA: <http://echa.europa.eu/>
- TOXNET: <http://toxnet.nlm.nih.gov/>
- eChemPortal: <http://www.echemportal.org/>
- LOLI database: <https://www.chemadvisor.com/loli-database>

#### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008[CLP]:

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. 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 SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE"