



# Celltechgen

For Research Only

## SAFETY DATA SHEET

### Luminol/Enhancer Solutions

CTG-AB0001-A	The Celltechgen™ Hygromycin B,1g	ISSUE DATE July 9, 2019
CTG-AB0001-B	The Celltechgen™ Hygromycin B,5g	ISSUE DATE July 9, 2019

#### Section 1. Identification

**GHS product identifier** : Hygromycin B

**Product code** : CTG-AB0002

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

**Identified uses** Reagent for development and research. For additional information on uses please refer to "www.celltechgen.com"

#### Supplier's details

Celltechgen LLC

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Toll-free: 1-877-994-4100

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Email: info@celltechgen.com

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#### Section 2. Hazards identification.

##### Classification of the substance or mixture

This mixture is not classified as dangerous according to European Union legislation.

##### Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

##### Other hazards

None known.

#### Section 3. Composition/information on ingredients

**Chemical nature** Aqueous solution of inorganic and organic compounds.

**Substance** Not applicable

**Mixture**

**Remarks** No disclosure requirement according to Regulation (EC) No.1907/2006.

#### Section 4. First aid measures

##### Description of first aid measures

**After inhalation:** fresh air.

**In case of skin contact:** Take off immediately all contaminated clothing. Rinse skin with water/ shower.

**After eye contact:** rinse out with plenty of water. Remove contact lenses.

**After swallowing:** make victim drink water (two glasses at most). Consult doctor if feeling unwell.

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

We have no description of any symptoms of toxicity.

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

No information available.

## **Section 5. Fire-fighting measures**

**Extinguishing media**

*Suitable extinguishing media*

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

*Unsuitable extinguishing media*

For this substance/mixture no limitations of extinguishing agents are given.

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

Not combustible.

Ambient fire may liberate hazardous vapours.

**Advice for firefighters**

Special protective equipment for firefighters

In the event of fire, wear self-contained breathing apparatus.

**Further information**

none

## **Section 6. Accidental release measures**

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

<b>Advice for non-emergency personnel:</b>	Do not breathe vapours, aerosols. Evacuate the danger area, observe emergency procedures, consult an expert.
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<b>Advice for emergency responders:</b>	Protective equipment see section 8.
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<b>Environmental precautions</b>	Do not let product enter drains.
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<b>Methods and materials for containment and cleaning up</b>	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.
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<b>Reference to other sections</b>	Indications about waste treatment see section 13.
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## **Section 7. Handling and storage**

**Precautions for safe handling**

*Advice on safe handling*

Observe label precautions.

*Hygiene measures*

Change contaminated clothing. Wash hands after working with substance.

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

*Storage conditions*

Protected from light.

Tightly closed.

Recommended storage temperature see product label.

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

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## **Section 8. Exposure controls/personal protection**

### **Exposure control**

#### **Engineering measure**

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. See section 7.1

#### **Individual protection measures**

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

**Eye/face protection:** Safety glasses

**Hand protection** Not required

#### **Respiratory protection**

Not required; except in case of aerosol formation.

#### **Environmental exposure controls**

No special precautionary measures necessary.

## **Section 9. Physical and chemical properties**

### **Information on basic physical and chemical properties**

Form	Liquid
Colour	Colourless
Odour	No strong odour known
Odour Threshold	No information available.
pH	No information available.
Melting point	No information available.
Boiling point	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Flammability (solid, gas)	No information available.
Lower explosion limit	No information available.
Upper explosion limit	No information available.
Vapour pressure	No information available.
Relative vapour density	No information available.
Density	No information available.
Relative density	No information available.
Water solubility	Soluble
Partition coefficient: n-octanol/water	No information available.
Auto-ignition temperature	No information available.
Decomposition temperature	No information available.
Viscosity, dynamic	No information available.

Explosive properties	No information available.
Oxidizing properties	none

## Section 10. Stability and reactivity

### Reactivity

See section 10.3.

### Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

### Possibility of hazardous reactions

Violent reactions possible with:

The generally known reaction partners of water.

### Conditions to avoid

no information available

### Incompatible materials

no information available

### Hazardous decomposition products

no information available

## Section 11. Toxicological information

### Information on toxicological effects

Acute oral toxicity	This information is not available.
Acute inhalation toxicity	This information is not available.
Acute dermal toxicity	This information is not available.
Skin irritation	This information is not available.
Eye irritation	This information is not available.
Sensitisation	Sensitisation possible in predisposed persons.
Germ cell mutagenicity	This information is not available.
Carcinogenicity	This information is not available.
Reproductive toxicity	This information is not available.
Teratogenicity	This information is not available.
Specific target organ toxicity - single exposure	This information is not available.
Specific target organ toxicity - repeated exposure	This information is not available.
Aspiration hazard	This information is not available.

### Further information

Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

Handle in accordance with good industrial hygiene and safety practice.

## Section 12. Ecological information

### Toxicity

No information available

### Persistence and degradability

No information available

### Bioaccumulative potential

No information is available

#### **Mobility in soil**

No information available.

#### **Results of PBT and vPvB assessment**

Substance(s) in the mixture do(es) not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII, or a PBT/vPvB assessment was not conducted.

#### **Other adverse effects**

Discharge into the environment must be avoided.

### **Section 13. Disposal considerations**

Please follow the regulations of different countries

### **Section 14. Transport information**

<b>Land transport (ADR/RID) 14.1 - 14.6</b>	Not classified as dangerous in the meaning of transport regulations.
<b>Inland waterway transport (ADN)</b>	Not relevant
<b>Air transport (IATA) 14.1 - 14.6</b>	Not classified as dangerous in the meaning of transport regulations.
<b>Sea transport (IMDG) 14.1 - 14.6</b>	Not classified as dangerous in the meaning of transport regulations.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	
Not relevant	

### **Section 15. Regulatory information**

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

##### *EU regulations*

<b>Major Accident Hazard</b>	SEVESO III
<b>Legislation</b>	Not applicable
<b>Regulation (EC) No 1005/2009 on substances that deplete the ozone layer</b>	Not regulated
<b>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</b>	Not regulated
<b>Substances of very high concern (SVHC):</b>	This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH), Article 57 above the respective regulatory concentration limit of $\geq 0.1\%$ (w/w).
<b>National legislation Storage class</b>	10-13

#### **Chemical safety assessment**

For this product a chemical safety assessment was not carried out.

### **Section 16. Other information**

#### **Training advice**

Provide adequate information, instruction and training for operators.

#### **Key or legend to abbreviations and acronyms used in the safety data sheet**

Used abbreviations and acronyms can be looked up at [www.celltechgen.com](http://www.celltechgen.com).

**Regional representation**

This information is given on the authorised Safety Data Sheet for your country.

## **End of the safety data sheets**