

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

1.1 Product identification

Product name:	Gliostem™ 515
Solution:	Solution in H ₂ O
Brand:	Celluminova AB
CAS-No:	Data not available

1.2 Specified uses of the product and uses advised against

- The product is specified for fluorescent staining of embryonic neural stem cells and stem cell-like cells in glioblastoma multiforme *in vitro* by microscopy or FACS.
- The product is for research use only, and not for use in animals or human beings.
- The product is not for any form of redistribution.

1.3 Company/supplier details

Company:	Celluminova AB
Head Office:	Laxholmstorget 3 602 21 Norrköping
Email:	info@celluminova.se
Website:	www.celluminova.se

2. HAZARD IDENTIFICATION

2.1 Classification of the product / active reagent

The product is not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. The product is not a hazardous substance or mixture according to EC- directives 67/548/EEC or 1999/45/EC.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Pictogram: None

Signal word: None

Hazard statement(s): None

Precautionary statement(s): None

Supplementary Hazard: None

Further information and safety data sheet may be available on request

According to European Directive 67/548/EEC as amended

Hazard symbol(s): None

R-phrase (s): None

S-phrase (s): None

Further information and safety data sheet may be available on request

2.3 Other Hazards

None

3. FIRE FIGHTING MEASURES

The product is not flammable

4. ACCIDENTAL RELEASE MEASURES

Always handle in accordance with good industrial hygiene and laboratory safety practices. Wash hands after use.

4.1 Personal precautions and protection

In case of accidental release, follow local and/or international safety guidelines prescribed to the respective research institution or facility.

For eye and face protection, equipment used should be tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Handle with gloves at all times. Gloves when unnecessary should be removed with the proper technique, without touching glove's outer surface, to avoid skin contact with this product. Gloves must be inspected prior to use and must have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Gloves should be disposed after use in accordance with applicable laws and good laboratory practices.

Protective equipment or body covering when necessary must be selected according to local and/or international safety guidelines prescribed to the respective research institution or facility, and according to the concentration and amount of the dangerous substance at the specific workplace.

Where respiratory protection is required or indicated by risk assessments, air-purifying or full-face respirators with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls may be used. Respirators and components of respirators should be accredited or tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

4.2 Environmental precautions

Do not let the product enter drains. Dispose of product in accordance with laboratory safety practices and safety regulations.

4.3 Containment and clean up

Soak up any spills with an inert absorbent material and dispose of as hazardous waste. Use suitable sealed containers for disposal.

5. HANDLING AND STORAGE

5.1 Precautions for safe handling

Avoid direct contact with skin and eyes. Avoid ingestion and avoid inhalation of vapour or mist.

5.2 Conditions for safe storage

Store at 4 °C away from direct sunlight or contact with heat.

6. PHYSICAL AND CHEMICAL PROPERTIES

6.1 Information on basic physical and chemical properties

Appearance:	Liquid, orange
Odour:	None
pH:	7.0
Melting/freezing point:	<0°C
Boiling point:	>100°C
Flash point:	No data available
Evaporation rate:	As water
Flammability (solid, gas):	The product is not flammable
Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	No data available
Water solubility:	The product is water soluble
Explosive properties:	The product is not explosive
Oxidizing properties:	No data available

7. STABILITY

7.1 Chemical stability

Stable under recommended storage conditions, pH above 6 as well as boiling up to 100 °C.

7.2 Possibility of hazardous reactions

No data available

7.3 Conditions to avoid

Low pH

7.4 Incompatible materials

Possible competitive inhibition by formaldehyde and paraformaldehyde

7.5 Hazardous decomposition products

No data available

8. TOXICOLOGICAL INFORMATION

No known acute toxicity. No known skin/eye/respiratory sensitization/damage effects/corrosiveness/irritability. No known germ cell mutagenicity. No known aspiration hazard.

No known carcinogenicity. No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

No known reproductive toxicity. No known specific target organ toxicity from single or repeated exposure.

9. ECOLOGICAL INFORMATION

9.1 Toxicity

No data available

9.2 Persistence and degradability

No data available

9.3 Bioaccumulative potential

No data available

9.4 Mobility in soil

No data available

9.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

9.6 Other effects

No data available

10. DISPOSAL CONSIDERATIONS

10.1 Waste treatment methods

Dispose as hazardous waste.

10.2 Broken or Contaminated packaging

Contact supplier and dispose as unused product

11. TRANSPORT INFORMATION

11.1 UN number

ADR/RID: -

IMDG: -

IATA: -

11.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

11.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

11.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

11.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

11.6 Special precautions for user

No data available

12. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

12.1 Environmental hazards

Safety, health and environmental regulations/legislation specific for the substance or mixture no data available

12.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

13. OTHER INFORMATION

The above information is believed to be correct at the time of writing. That information does not claim to be all-inclusive and up to date with all available material and should only be used as a guide. The information is based on our state of knowledge at time of writing, and is applicable to the product with regard to appropriate safety precautions.

This document does not represent any guarantee of the properties of the product. Celluminova and its representatives shall not be held liable for any damage resulting from handling, use, or from contact with the above product.