



Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCES/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1. Product Identifiers**
- Product Code(s)** HB9854
- Product Name** MightyMount™ Antifade Fluorescence Mounting Medium (aqueous)
- Relevant identified uses of the substance or mixture and uses advised against
- Recommended use** For research use only – Not for human use
- Uses advised against** No information available

1.2. Details of the supplier of the safety data sheet Supplier

HelloBio Ltd
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UK
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For further information, please contact: technicalsupport@hellobio.com

- 1.3. Emergency Telephone number**
Emergency telephone - Tel: +44 (0)117 318 0505

2. HAZARDS IDENTIFICATION

- 2.1. Classification of the substance or mixture**
GHS/CLP – REGULATION (EC) No 1272/2008
Not a hazardous substance or mixture according to the Globally Harmonised System (GHS)

According to present data no classification and labelling is required according to Directives 67/548/EEC or 1999/45/EC

- 2.2. Label Elements**
Not a hazardous substance or mixture according to the Globally Harmonised System (GHS)

Hazard Statements
Not a hazardous substance or mixture according to the Globally Harmonised System (GHS)

Precautionary Statements
P280 Wear eye protection/ face protection.

- 2.3. **Other hazards**
Caution – substance not yet completely tested

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Ingredient Name	Product Identifier	Weight (%)	REACH classification	Classification according to Regulation (EC) No.1272/2008 [CLP]
Glycerol	5 / [EINECS(EC#)] 200-289-5	>= 80 - < 100 %	01-2119471987-18-XXXX	Not Classified

This product does not contain candidate substances of very high concern at a concentration >= 0.1% (UK REACH Article59)

4. FIRE-FIGHTING MEASURES

- 4.1. **Extinguishing media**
Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
- 4.2. **Special hazards arising from the substance or mixture**
In combustion, may emit toxic fumes.
- 4.3. **Precautions for fire-fighters**
Wear suitable protective clothing to prevent contact with skin and eyes and self-contained breathing apparatus.

5. ACCIDENTAL RELEASE MEASURES

- 5.1. **Personal precautions, protective equipment and emergency procedures**
Do not take action without suitable protective clothing – see section 8 of SDS. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid breathing vapours, mist, dust or gas.
- 5.2. **Environmental precautions**
Do not let product enter drains.
- 5.3. **Methods and materials for containment and cleaning up**
Cover spillage with suitable absorbent material. Using non-spark tools, sweep up material and place in an appropriate container. Decontaminate spill site with 10% caustic solution and ventilate area until disposal is complete. Hold all material for appropriate disposal as described under section 13 of SDS.
- 5.4. **Reference to other sections**
For required PPE see section 8. For disposal see section 13.

6. HANDLING AND STORAGE

- 6.1. **Precautions for safe handling**
Use in a chemical fume hood, with air supplied by an independent system. Avoid inhalation, contact with eyes, skin and clothing. Avoid the formation of dust and aerosols. Use in a well-ventilated area. Keep away from sources of ignition. Avoid prolonged or repeated exposure.
- 6.2. **Conditions for safe storage, including any incompatibilities.**
Store in cool, well-ventilated area. Keep away from direct sunlight. Keep container tightly sealed until ready for use. Recommended storage temperature: Store at +4°C.
- 6.3. **Specific end uses**
Use in a laboratory fume hood where possible. Refer to employer's COSHH risk assessment.

7. EXPOSURE CONTROLS/PERSONAL PROTECTION

7.1. Control parameters

Components with workplace control parameters

Component	CAS-No.	Control parameter	Value	Basis
glycerol	56-81-5	TWA	10 mg/m3	UK. EH40 WEL - Workplace Exposure Limits

Component CAS-No. Control parameter s Value Basis glycerine 56-81-5 TWA 10 mg/m3 UK. EH40 WEL - Workplace Exposure Limits Remarks Where no specific short-term exposure limit is listed, a figure three times the long-term exposure limit should be used. TWA 10 mg/m3 Mist UK. EH40 WEL - Workplace Exposure Limits

7.2. Exposure controls

Appropriate engineering controls

Use in a fume hood where applicable. Ensure all engineering measures described under section 7 of SDS are in place. Ensure laboratory is equipped with a safety shower and eye wash station.

Personal protective equipment

Eye/face protection

Use appropriate safety glasses.

Skin protection

Use appropriate chemical resistant gloves (minimum requirement use standard BS EN 374:2003). Gloves should be inspected before use. Wash and dry hands thoroughly after handling.

Body protection

Wear appropriate protective clothing.

Respiratory protection

If risk assessment indicates necessary, use a suitable respirator.

8. PHYSICAL AND CHEMICAL PROPERTIES

8.1. Information on basic physical and chemical properties

Appearance	Colourless solution	Vapour pressure	No data available
Odour	No data available	Vapour density	No data available
Odour threshold	No data available	Relative density	No data available
pH	No data available	Solubility(ies)	No data available
Melting/freezing point	No data available	Partition coefficient	No data available
Boiling point/range	No data available	Auto-ignition temperature	No data available
Flash Point	No data available	Decomposition temperature	No data available
Evaporation rate	No data available	Viscosity	No data available
Flammability (solid, gas)	No data available	Explosive properties	No data available
Upper/lower flammability or explosive limits	No data available	Oxidising properties	No data available

8.2. Other safety information

No data available

9. STABILITY AND REACTIVITY

9.1. Reactivity

Stable under recommended transport or storage conditions.

9.2. Chemical Stability

Stable under recommended storage conditions.

9.3. Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions.

9.4. Conditions to avoid

Heat, moisture

9.5. Incompatible materials

Strong acids/alkalis, strong oxidising/reducing agents.

9.6. Hazardous decomposition products

Carbon monoxide (CO), Carbon dioxide (CO₂), Nitrogen oxides (NO_x), hydrogen chloride, sulfur oxides.

10. TOXICOLOGICAL INFORMATION

10.1. Information on toxicological effects

Glycerol

Acute toxicity

LD50 Oral - Rat - female - 27,200 mg/kg

Remarks: (ECHA)

LC50 Inhalation - Rat - male and female - 4 h - > 5,850 mg/l - aerosol

Remarks: (ECHA)

LD50 Dermal - Guinea pig - male and female - 56,750 mg/kg

Remarks: (ECHA)

Skin corrosion/irritation

Skin - Rabbit

Result: No skin irritation - 24 h

Remarks: (ECHA)

Serious eye damage/eye irritation

Eyes - Rabbit

Result: No eye irritation - 7 Days

Remarks: (ECHA)

Respiratory or skin sensitization

Local lymph node assay (LLNA) - Mouse

Result: negative

(OECD Test Guideline 429)

Germ cell mutagenicity

Test Type: Ames test

Test system: S. typhimurium

Result: negative

Remarks: (IUCLID)

Test Type: In vitro mammalian cell gene mutation test

Test system: Chinese hamster ovary cells

Result: negative

Test Type: sister chromatid exchange assay

Test system: Chinese hamster ovary cells

Result: negative

Test Type: unscheduled DNA synthesis assay

Test system: rat hepatocytes

Result: negative

Test Type: Chromosome aberration test in vitro

Test system: Chinese hamster ovary cells

Result: negative

Carcinogenicity
No data available

Reproductive toxicity
No data available

Specific target organ toxicity - single exposure
No data available

Specific target organ toxicity - repeated exposure

Aspiration hazard
No data available

11. ECOLOGICAL INFORMATION

11.1. Toxicity

Ecotoxicity effects

Glycerol

Toxicity to fish static test LC50 - Oncorhynchus mykiss (rainbow trout) -
54,000 mg/l - 96 h Remarks: (ECHA)

11.2. Persistence and degradability
No Information available

11.3. Bioaccumulative potential
No Information available

11.4. Mobility in soil
No Information available

11.5. Results of PBT and vPvB assessment
No Information available

11.6. Other adverse effects
No Information available

12. DISPOSAL CONSIDERATIONS

12.1. Waste treatment methods

Waste from residues/unused products
Dispose of in accordance with local regulations

Contaminated packaging
Empty containers should be taken to an approved waste handling site for recycling or disposal.

Other information
According to the European Waste Catalogue. Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

13. TRANSPORT INFORMATION

ADR	Not dangerous goods
IATA	Not dangerous goods
DOT	Not dangerous goods

14. REGULATORY INFORMATION

14.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
No information available

14.2. Chemical Safety Assessment
No information available

15. OTHER INFORMATION

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

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless stated in the text.