



# Safety Data Sheet

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

- 1.1. Product Identifiers**
- Product Code(s)** HB6966
- Product Name** MightyMount™ Antifade Fluorescence Mounting Medium (hardset)
- 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  
Unit 3 IO Centre  
Cabot Park  
Moorend Farm Avenue  
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BS 11 0QL  
UK  
Tel: +44 (0)117 318 0505  
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For further information, please contact: [technicalsupport@hellowbio.com](mailto:technicalsupport@hellowbio.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**
- Skin corrosion/irritation Category 1B  
Serious eye damage (Category 1) Category 1 H318

**DSD/DPD – Classification according to EU Directives 67/548/EEC or 1999/45/EC**

C - Corrosive

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

## 2.2. Label Elements



Signal Word     Danger

### Hazard Statements

**H318 Causes serious eye damage.**

### Precautionary Statements

**P280** Wear eye protection/ face protection.

**P305 + P351 + P338 + P310** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

## 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	>= 20 - < 30 %	01-2119471987-18-XXXX	Not Classified
1,4-Diazabicyclo[2.2.2]octane	CAS 280-57-9	>= 1 - < 5 %	01-2119980944-22-XXXX	Flam. Sol. 1; Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; H228, H302, H315, H318
Sodium azide	26628-22-8	> 0 - <= 0.1%		Acute Tox. 2 (H300) (EUH032) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)

## 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/m <sup>3</sup>	UK. EH40 WEL - Workplace Exposure Limits
Sodium azide	26628-22-8	TWA	0.1 mg/m <sup>3</sup>	

Component CAS-No. Control parameter s Value Basis glycerine 56-81-5 TWA 10 mg/m<sup>3</sup> 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/m<sup>3</sup> 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 liquid	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 (CO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>), 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

**1,4-Diazabicyclo[2.2.2]octane****Acute toxicity**

LD50 Oral - Rat - 700 mg/kg  
Remarks: (ECHA)  
Symptoms: Possible damages:, mucosal irritations  
LD50 Dermal - Rabbit - male and female - > 2,000 mg/kg  
Remarks: (ECHA)  
No data available

**Skin corrosion/irritation**

Skin - Rabbit  
Result: Irritations  
Remarks: (ECHA)

**Serious eye damage/eye irritation**

Eyes - Rabbit  
Result: Causes serious eye damage.  
(OECD Test Guideline 405)

**Respiratory or skin sensitization**

Maximization Test - Guinea pig  
Sigma-Aldrich - 10981  
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operates as MilliporeSigma in the US and Canada  
Result: negative  
(OECD Test Guideline 406)

**Germ cell mutagenicity**

Test Type: Ames test  
Test system: Salmonella typhimurium  
Result: negative  
Method: OECD Test Guideline 474  
Species: Mouse - male and female - Bone marrow  
Result: negative

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

Acute inhalation toxicity - Possible damages: mucosal irritations

**Specific target organ toxicity - repeated exposure**

No data available

**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)

**Sodium azide**

Toxicity to fish LC50: =0.8mg/L (96h, Oncorhynchus mykiss) LC50: =0.7mg/L (96h, Lepomis  
macrochirus) LC50: =5.46mg/L (96h, Pimephales promelas)

**1,4-Diazabicyclo[2.2.2]octane**

Toxicity to fish

static test LC50 - Cyprinus carpio (Carp) - > 100 mg/l - 96 h (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates

static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (OECD Test Guideline 202)

Toxicity to algae

static test EC50 - Pseudokirchneriella subcapitata (green algae) - 110 mg/l - 72 h

(OECD Test Guideline 201)

static test NOEC - Pseudokirchneriella subcapitata (green algae) - 46 mg/l - 72 h (OECD Test Guideline 201)

Toxicity to bacteria

static test EC50 - Pseudomonas putida - 355.6 mg/l - 17 h Remarks: (ECHA)

**11.2. Remarks: (ECHA) 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

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