

**Product: Fluorescent Protein Molecular Weight Marker**

**Revision: 1.1**

**Last update:**

<b>Section 1 - Product and Company Information</b>	
<b>Product Name</b>	Fluorescent Protein Molecular Weight Marker
<b>Company</b>	EZBiolab, Inc. 1033 3rd Avenue SW, Suite 215 Carmel, IN 46032 USA
<b>EMERGENCY CONTACTS:</b>	Phone: 317-691-9450 Email: <a href="mailto:service@ezbiolab.com">service@ezbiolab.com</a>
<b>Section 2 - Composition/Information on Ingredients</b>	
<b>Substance Name</b>	Fluorescent Protein Molecular Weight Marker
<b>Section 3 - Hazards Identification</b>	
<p><b>EMERGENCY OVERVIEW:</b> May cause skin irritation and/or dermatitis Principle routes of exposure: Skin. Inhalation: May cause irritation of respiratory tract. Ingestion: May be harmful if swallowed. Skin contact: May cause allergic skin reaction. Eye contact: Avoid contact with eyes.</p> <p><b>Statements of hazard MAY CAUSE ALLERGIC SKIN REACTION.</b> Statement of Spill or Leak - ANSI Label Eliminate all ignition sources. Absorb and/or contain spill with inert materials (e.g., sand, vermiculite). Then place in appropriate container. For large spills, use water spray to disperse vapors, flush spill area. Prevent runoff from entering waterways or sewers.</p> <p>For additional information on toxicity, please refer to Section 11.</p>	
<b>Section 4 - First Aid Measures</b>	
<p><b>General advice:</b> In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).</p>	

**Inhalation**

No known significant effects or critical hazards.

**Skin contact**

No known significant effects or critical hazards.

**Ingestion**

May be irritating to mouth, throat and stomach.

**Eye contact**

Causes eye irritation. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Protection of first-aiders**

No information available.

**Medical conditions aggravated by exposure**

None known.

**Section 5 - Fire Fighting Measures****FLASH POINT**

N/A

**AUTOIGNITION TEMP**

N/A

**FLAMMABILITY**

N/A

**Suitable extinguishing media**

Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam.

**Specific hazards**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Unusual hazards**

None known.

**Special protective equipment for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Specific methods**

Water mist may be used to cool closed containers.

**NFPA rating**

NFPA Health: 1

NFPA Flammability: 1

NFPA Reactivity: 0

**Section 6 - Accidental Release Measures**

<b>Personal precautions</b> Use personal protective equipment.	
<b>Environmental precautions</b> Prevent product from entering drains.	
<b>Methods for cleaning up</b> Sweep up and shovel into suitable containers for disposal.	
<b>Section 7 - Handling and Storage</b>	
<b>HANDLING</b>	Use only in area provided with appropriate exhaust ventilation.
<b>STORAGE</b>	Store at -20°C (good for at least one year)
<b>Safe handling advice</b> Wear personal protective equipment.	
<b>Incompatible products</b> None known.	
<b>Section 8 - Exposure Controls / PPE</b>	
<b>Engineering measures</b> Ensure adequate ventilation.	
<b>PERSONAL PROTECTIVE EQUIPMENT</b>	
<b>Respiratory protection</b> Breathing apparatus only if aerosol or dust is formed.	
<b>Hand protection</b> Pvc or other plastic material gloves.	
<b>Skin and body protection</b> Usual safety precautions while handling the product will provide adequate protection against this potential effect.	
<b>Eye protection</b> Safety glasses with side-shields.	
<b>Hygiene measures</b> Handle in accordance with good industrial hygiene and safety practice.	
<b>Section 9 - Physical/Chemical Properties</b>	
<b>Appearance:</b>	Dark Liquid.
<b>BP/BP Range</b>	N/A

<b>MP/MP Range</b>	N/A
<b>Vapor Pressure</b>	N/A
<b>Vapor Density</b>	N/A
<b>SG/Density</b>	N/A
<b>Bulk Density</b>	N/A
<b>Solvent Content</b>	N/A
<b>Viscosity</b>	N/A
<b>Surface Tension</b>	N/A
<b>Partition Coefficient</b>	N/A
<b>Decomposition Temp.</b>	N/A
<b>Flash Point</b>	N/A
<b>Flammability</b>	N/A
<b>Autoignition Temp</b>	N/A
<b>Solubility</b>	N/A
<b>Section 10 - Stability and Reactivity</b>	
<p><b>Stability</b> Stable under recommended storage conditions.</p> <p><b>Polymerization</b> None under normal processing.</p> <p><b>Hazardous decomposition products</b> Nitrogen oxides (NOx)/ammonia/CN- , Sulphur oxides</p> <p><b>Materials to avoid</b> No specific data.</p> <p><b>Conditions to avoid</b> No specific data.</p>	
<b>Section 11 - Toxicological Information</b>	
<p><b>Product Information</b> Acute toxicity Selected LD50s and LC50s Not Determined</p> <p><b>Chronic toxicity</b></p>	

Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness.

**Local effects**

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

**Specific effects**

May include moderate to severe erythema (redness) and moderate edema (raised skin), nausea, vomiting, headache.

**Primary irritation**

No data is available on the product itself.

**Carcinogenic effects**

No data is available on the product itself.

**Mutagenic effects**

No data is available on the product itself.

**Reproductive toxicity**

No data is available on the product itself.

**Section 12 - Ecological Information**

**Mobility**

No data available

**Bioaccumulation**

No data available

**Ecotoxicity effects**

No data available

**Aquatic toxicity**

May cause long-term adverse effects in the aquatic environment.

**Section 13 - Disposal Considerations**

**Waste from residues / unused products**

Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.

**Contaminated packaging**

Do not re-use empty containers.

**Section 14 - Transport Information**

<p><b>Transport Regulation</b></p>	<p>UN/Id No: Not regulated          DOT:          Proper shipping name: Not Regulated</p> <p>U.S. DOT - Appendix A Table 1 - Reportable Quantities: Not Listed</p> <p>TDG (Canada):          WHMIS hazard class: Non-controlled</p> <p>IMDG/IMO          IMDG - Hazard Classifications :Not Applicable          U.S. DOT - Appendix B - Marine Pollutan: Not Listed</p> <p>U.S. DOT - Appendix B - Severe Marine Pollutants: Not Listed</p> <p>Please contact EZBiolab, Inc. for further information on transportation.</p>
<p><b>Section 15 - Regulatory Information</b></p>	
<p><b>Regulation</b></p>	<p>International Inventories</p> <p>Inventory - United States TSCA - Sect. 8(b) :          Not Listed          Canada DSL Inventory List: Not Listed</p>
<p><b>Section 16 - Other Information</b></p>	
<p><b>DISCLAIMER</b>          For R&amp;D use only. Not for drug, household or other uses.</p> <p><b>WARRANTY</b>          The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. EZBiolab, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.</p>	