

## Safety Data Sheet

SmartGlow™ Prestain

Benchmark Scientific

### Section 1 Product Description

Product name: SmartGlow Prestain (E4500-PS)  
Recommended use: Life science applications  
Synonyms: Gel prestain, E4500-PS, SmartGlow  
Supplier of SDS: Benchmark Scientific  
2600A Main Street Extension  
Sayreville, NJ 08572  
908- 769-5555  
Chemical Information: 908 769-5555  
Emergency: 908 769-5555

### Section 2 Hazard Identification

GHS Classification: Not a hazardous substance or mixture  
Health hazards: Not hazardous  
Physical hazards: Not hazardous  
Precautionary Statements: May cause eye and skin irritation in susceptible persons. Use appropriate protective gear.

#### HMIS

Health	0
Flammability	0
Reactivity	0

### Section 3 Composition/Information on Ingredients

Chemical Name	CAS#	EINECS #	Weight %
SmartGlow PS			<1%
Water	7732-18-5		>99%

This product contains no substances that are known to be hazardous at their given concentrations. As with all chemicals, handle with caution.

### Section 4 First Aid Measures

#### Emergency First Aid Procedures

##### Inhalation:

If inhaled, move person fresh air. If not breathing, give artificial respiration

##### Eye contact:

In case of eye contact, immediately flush eyes and under eyelids with plenty of water for at least 15 minutes. Seek medical advice if necessary.

##### Dermal exposure:

In case of contact, wash immediately with soap and water. If symptoms occur, seek medical advice.

##### Ingestion:

Rinse mouth with water. Never give anything by mouth to an unconscious person. Treat symptomatically.

## Section 5 Firefighting Measures

Extinguishing media:	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide
Firefighter advice:	Wear full protective equipment, self contained breathing apparatus
Fire/explosion Hazards:	N/A
Special hazards:	Nature of decomposition products is unknown

## Section 6 Spill or Leak Procedures

Steps to take:	Exercise appropriate precautions to minimize direct contact with skin or eyes. Prevent inhalation of vapors. Wear disposable coveralls and discard after use. Soak up with inert absorbing materials and place in a closed container for disposal. Ventilate area and wash spill site after material pickup is complete.
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## Section 7 Handling and Storage

Handling:	Always wear recommended personal protective equipment. Avoid contact with skin and eyes
Storage:	Keep cap tightly closed and store at 4°C. Keep in properly labeled containers.

## Section 8 Exposure and/or Personal Protection

Control parameters:	Contains no substances with occupational exposure limits.
Engineering measures:	Ensure adequate ventilation, especially in confined areas.
Personal protective equipment	Eye/face - Wear compativel safety goggles. use. Body - Wear lightweight protective clothing, such as a lab coat. Respiratory - Wear suitable respiratory equipment if ventilation is insufficient.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls:	Product in diluted form has passed aquatic toxocity testing per regulation CCR Title 22. Dispose according to local regulations.

## Section 9 Physical and Chemical Properties

Appearance	Orange liquid	Vapor pressure	No data
Odor	No data	Vapor density	No data
Odor threshold	No data	Relative density	No data
pH	No data	Water solubility	No data
Melting/freezing point:	No data	Log Pow	No data
Boiling point	No data	Auto ignition temp	No data
Flash point	No data	Decomposition temp	No data
Evaporation rate	No data	Viscosity	No data
Flammability	No data	Explosive properties	No data
Flammability limits	No data	Oxidizing properties	No data

## Section 10 Reactivity Data

Reactivity	No data available
Stability:	Stable under normal conditions
Materials to avoid:	No dangerous reaction known under normal conditions.
Decomposition products:	None under normal conditions
Hazardous polymerization:	Does not occur

## Section 11 Toxicity Data

Acute Toxicity                      No information available

Routes of entry/Potential health effects:

Eye and skin                      May cause eye and skin irritation with susceptible persons

Inhalation                      May be harmful by inhalation

Ingestion                      May be harmful if swallowed

Carcinogenic effects:              None

Mutagenic effects:              None

Reproductive toxicity:              No information available

Sensitization:                      No information available

Target organ effects:              No known effects under normal use conditions.

### Section 12 Ecological Data

Ecotoxicity effects:              No information available

Mobility:                      No information available

Biodegradation:              No information available

Bioaccumulation:              No information available

### Section 13 Disposal Considerations

Dispose of in accordance with local regulations.

### Section 14 Transport Information

DOT US)                      Not dangerous goods

IMDG                      Not dangerous goods

IATA                      Not dangerous goods

### Section 15 Regulatory Information

US Federal Regulations

SARA 313:                      Not regulated by SARA

Clean Air Act, Section 112      Contains no HAPs

US State Regulations

CA Prop 65                      Contains no listed chemicals

Canadian Regulations

(CPR) and the SDS contains all the information required by CPR.

WHMIS Hazard Class              Not controlled

### Section 16 Other Information

For R&D use only. Not for drug, household or other uses.

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 the appropriate safety precautions. It does not represent any guarantee of the properties of this product.

Benchmark Scientific and its affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. Other terms and conditions of sale may apply.

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