jetBLUE - Protein Staining Solution

Identification of the preparation / Substance and of the company

Product Name：PS001-B500ML jetBLUE

Catalog Number：PS001-B500ML

Use of the preparation：For laboratory use.

Suitable for use as protein stain for SDS-PAGE

Company identification：BIO-HELIX Co., LTD.

Site：http://www.bio-helix.com

E-mail：info@bio-helix.com

Composition / Information on ingredients

Ingredients

Name	CAS No.	EC No.	Weight %
Ethanol	CAS#64-17-5	EC#200-578-6	1-5%

We recommend handling all chemicals with caution.

Hazards identification

Form : Liquid	
Principle Routes of Exposure/Potential Health effects	
Eyes	May cause eye irritation with susceptible persons.
Skin	May cause skin irritation in susceptible persons.
Inhalation	May cause irritation of respiratory tract.
Ingestion	Ingestion may cause irritation to mucous membranes.
Specific effects	
Carcinogenic Effects	No information available
Mutagenic effects	No information available
Reproductive toxicity	No information available
Sensitization	No information available
Target Organ Effects	No known effects under normal use conditions.

First Aid Measures

Ingestion：Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Do not induce vomiting without medical advice.

Inhalation : Remove to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.
Skin contact : Wash off immediately with plenty of water. If symptoms occur, obtain medical advice.
Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician if necessary.

Fire-fighting measures

Suitable Extinguishing Media : Water spray. Carbon dioxide (CO2). Foam. Dry chemical.
Special protective equipment for firefighters : Wear self-contained breathing apparatus and protective suit.
Specific hazards arising from the chemical : Not known.

Accidental release measures

Personal Precautions : ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Use personal protection equipment.
Environmental Precautions : Prevent further leakage or spillage if safe to do so.
Clean-up Measures : Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water.

Handling and storage

Handling : Avoid contact with skin and eyes. Always wear reccommended personal protective equipment.
Storage : Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Do not store near combustible materials. Keep in properly labeled containers.

Exposure controls / personal protection

Engineering Measures : Ensure adequate ventilation, especially in confined areas.
Respiratory Protection : In case of insufficient ventilation, wear suitable respiratory equipment.
Hand Protection : Impervious butyl rubber gloves. Nitrile gloves are not recommended. Some brands of Nitrile gloves have breakthrough times of five minutes.
Eye Protection : Safety glasses / goggles. Face mask (in case of spattering).
Skin Protection : Wear safety glasses with side shields (or goggles).
Hygiene Practices : Handle in accordance with good industrial hygiene and safety practice.

Physical and chemical properties

Physical Properties

Form : Liquid.

Appearance : No information available.

Odor : no data available.

Chemical Properties

Form	Liquid	
Appearance	No information available	
Odor	No data available	
Odor Threshold	No data available	
Boiling point / boiling range	°C No data available	°F No data available
Melting point / melting range	°C No data available	°F No data available
flash point	°C >60.0 - <93.0	°F 140.0 - 199.4
Autoignition Temperature	°C No data available	°F No data available
Evaporation rate	No data available	
Flammability (solid, gas)	No data available	
Oxidizing properties	No information available	
Water solubility	miscible	
Upper explosion limit	No data available	
Lower explosion limit	No data available	
Partition coefficient:	No data available	

n-octanol/water

Vapor Pressure	No data available	
vapor density	No data available	
Viscosity	No data available	
pH value	No data available	

Stability and reactivity

Stability	Stable under normal conditions.
Materials to avoid	Strong acids. Strong oxidizing agents.
Possibility of hazardous reactions	Hazardous reaction has not been reported
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. Carbon oxides.
polymerization	Hazardous polymerization does not occur.
Conditions to avoid	None under normal processing.

Toxicological information

Acute toxicity

Chemical Name	LD_{50} (oral,rat/mouse)	LD_{50} (dermal,rat/rabbit)	LC50 (inhalation,rat/mouse)
Ethanol	7060 mg/kg Oral LD_{50}	no data available	64,000 ppm/4hr

Principle Routes of Exposure/Potential Health effects

Eyes	May cause eye irritation with susceptible persons.
Skin	May cause skin irritation in susceptible persons.
Inhalation	May cause irritation of respiratory tract.
Ingestion	Ingestion may cause irritation to mucous membranes.
Carcinogenic effects	None.
Mutagenic effects	None.
Reproductive toxicity	None.
Sensitization	None.

Ecological information

Ecotoxicity : The environmental impact of this product has not been fully investigated.

Mobility : see log Pow.

Biodegradation : No information available.

Bioaccumulation : No information available.

Chemical Name	Freshwater Algae Data	Water Flea Data	Freshwater Fish Species Data	Microtox Data	log Pow
Ethanol	-	Daphnia magna EC_{50}=10800 mg/L (24h) Daphnia magna EC_{50}=2 mg/L (48 h) Daphnia magna LC_{50} 9268 - 14221 mg/L (48 h)	-	-	logPow-0.32

Disposal considerations

Dispose of contents/containers in accordance with local regulations.

Transport information

IATA	
Proper Shipping Name	No dangerous good in sense of these transport regulations.
Hazard Class	None
Subsidiary class	None
Packing group	None
UN-No	None
Environmental hazards	None

Other information

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution.

Since Bio-Helix Co., Ltd. cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

The information in this SDS does not constitute a warranty, express or implied, including any implied warranty of merchantability or fitness for any particular purpose.

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