

# SAFETY DATA SHEET

[Required under safety and health regulations for shipping and handling]

Version: 2022  
Date Updated: December 31, 2022

## SECTION 1. ----- PRODUCT AND COMPANY IDENTIFICATION -----

**Product Name** Blitz Coomassie Blue Protein Staining Solution  
**Product Code(s)** BEW00100  
**Recommended Use** For Laboratory Research Use Only  
Not for Human or Animal Drug Use

**Supplier** Bio Basic Asia Pacific Pte Ltd.  
**Address** 2 International Business Park Road  
Strategy #01-04, Singapore 609930  
**Telephone** (+65) 6954 2519  
(+65) 6491 5938  
**Email** sg@biobasic-asia.com

## SECTION 2. ----- HAZARDS IDENTIFICATION -----

### Classification of the substance or mixture

Not a hazardous substance or mixture.

### GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

**Hazards not otherwise classified (HNOC) or not covered by GHS – none**

### Potential Health Effects

**Skin** May cause skin irritation  
**Eyes** May cause eye irritation  
**Ingestion** May cause irritation to mucous membranes  
**Inhalation** May cause irritation of respiratory tract

## SECTION 3. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

Chemical Name	EC No.	CAS-No.	Weight %
Phosphoric acid	231-633-2	7664-38-2	5
Ethanol	200-578-6	64-17-5	2.5

## SECTION 4. ----- FIRST-AID MEASURES -----

### Description of first-aid measures

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. If symptoms persist, consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water.

#### In case of eye contact

Rinse eyes with water for at least 15 minutes. Consult a physician.

#### If swallowed

Never give anything by mouth to an unconscious person. Consult a physician.

### Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects and described in the labelling (see section 2) and/or in section 11

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**Indication of any immediate medical attention and special treatment needed**

No data available

**SECTION 5. ----- FIRE FIGHTING MEASURES -----**

**Extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture**

No data available

**Advice for firefighters**

Wear self-contained breathing apparatus and protective suit.

**Further information**

No data available

**SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----**

**Personal precautions, protective equipment and emergency procedures**

For personal protection see section 8.

**Personal precautions, protective equipment and emergency procedures**

Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). For personal protection see section 8.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so.

**Methods and materials for containment and cleaning up**

Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water

**Reference to other sections**

For disposal see section 13.

**Additional information**

No dangerous substances are released.

**SECTION 7. ----- HANDLING AND STORAGE-----**

**Precautions for safe handling**

Avoid contact with skin and eyes. Always wear recommended personal protective equipment. For precautions see section 2.

**Conditions for safe storage, including any incompatibilities**

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.

**Specific end use(s)**

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

**SECTION 8. ----- EXPOSURE CONTROLS/PERSONAL PROTECTION-----**

**Engineering measures**

Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

**Skin 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 with side-shields.

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**Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment.

**Control of environmental exposure**

Prevent further leakage or spillage if safe to do so.

**SECTION 9. ----- PHYSICAL AND CHEMICAL PROPERTIES -----**

**Information on basic physical and chemical properties**

Appearance	Form: Liquid
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	>60.0 - <93.0 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

**Other safety information**

No data available

**SECTION 10. -----STABILITY AND REACTIVITY -----**

**Reactivity**

No data available

**Chemical stability**

Stable under normal conditions.

**Conditions to avoid**

None under normal processing.

**Incompatible materials**

Strong acids, strong oxidizing agents.

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**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions - Carbon oxides

**Hazardous polymerization**

Hazardous polymerization does not occur.

**SECTION 11. ----- TOXICOLOGICAL INFORMATION -----**

**Acute toxicity**

LD50 Oral - > 7060 mg/kg

Inhalation: No data available

LD50 Inhalation - Rat - > 64,000 ppm/4hr

**Skin corrosion/irritation**

May cause skin irritation in susceptible persons.

**Serious eye damage/eye irritation**

May cause eye irritation with susceptible persons.

**Respiratory or skin sensitisation**

May cause irritation of respiratory tract.

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Additional Information**

No data available

**SECTION 12. ----- ECOLOGICAL INFORMATION -----**

**Toxicity**

Toxicity to daphnia and other aquatic invertebrates	Daphnia magna EC50=10800 mg/L (24h) Daphnia magna EC50=2 mg/L (48 h) Daphnia magna LC50 9268 - 14221 mg/L (48 h)
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**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

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**Results of PBT and vPvB assessment**

No data available

**Other adverse effects**

No data available

**SECTION 13. ----- DISPOSAL CONSIDERATIONS -----**

**Waste treatment methods**

Dispose according to current regional and national rules.

**SECTION 14. ----- TRANSPORT INFORMATION -----**

**IATA**

Not dangerous goods

**Further information**

Not classified as dangerous in the meaning of transport regulations

**SECTION 15. ----- REGULATORY INFORMATION -----**

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

**SECTION 16. ----- OTHER INFORMATION -----**

Further information: no limited for paper copy, just for internal uses.

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

**Disclaimer**

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

**Issuing Date:** 31-Dec-2022

**End of SDS**