

Material Safety Data Sheet (MSDS)

Section 1. Identification

Product Name: Lyophilized Phycobiliprotien / L1, L2, L3 L4, L5, L7; Lyophilized core Streptavidin / LcSA; Lyophilized Protein A&G&A/G / LPA, LPG, LPAG; Lyophilized Instant Phycobiliprotein / L1SM, L3SM

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

Section 2. Hazards Identification

The product is classified and labelled in accordance with Directive 1999/45/EC.

REGULATION (EC) No 1272/2008 Classification according to EU Directives 67/548/EEC or

GHS Classification: This product has been classified as non-hazardous based on the physical and/or chemical nature and/or concentration of ingredients.

GHS Label: Non-hazardous substance or mixture.

Hazards not otherwise classified (HNOC) or not European Union: None
Not hazardous

EU Specific Hazard Statements

R-phrases(s): None

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 be harmful by inhalation.
Ingestion: May be harmful if swallowed.

Target Organ Effects: No known effects under normal use conditions

Section 3. Composition/Information on Ingredients

No ingredients are hazardous according to OSHA criteria.

The product contains no substances which at their given concentration, are considered to be hazardous to health. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides. We recommend handling all chemicals with caution.

Section 4. First Aid Measures

Inhalation: Remove to fresh air.

Skin contact: Wash thoroughly with soap and water.

Eye contact: Flush eyes with water as a precaution.

Ingestion: Do not induce vomiting. Wash out mouth with water.

Section 5. Fire Fighting Measures

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment: Use respirator for fire fighting if necessary.

Section 6. Accidental Release Measures

Wear protective clothing to prevent contact with eyes and skin. Ensure adequate ventilation. Collect on

absorbent material and dispose of according to federal, state and local environmental regulations.

Section 7. Handling and Storage

Handling: Use only with adequate ventilation. Wear eye protection and compatible chemical-resistant gloves. Handle in accordance with good industrial practices.
Storage: Keep container tightly closed and store according to product label.

Section 8. Exposure Controls/Personal Protection

Exposure limits: Contains no substances with occupational exposure limit values.
Engineering controls: Use enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below recommended exposure limits.
Personal protection: Hand protection - Compatible chemical-resistant gloves.
Eye protection - Chemical safety goggles.
Skin protection - Lab coat.

Section 9. Physical and Chemical Properties

Appearance:	Powder with color L1/L1SM is red, L3/4 and L3SM is blue; Others are white)	Flash point:	Not determined
Odor:	None	Autoflammability:	Not determined
pH:	Not determined	Vapor pressure:	Not determined
Boiling point:	Not determined	Relative density:	Not determined
Melting point:	Not determined	Solubility:	Not applicable

Section 10. Stability and Reactivity

Chemical stability: Stable under recommended storage conditions.
Conditions to avoid: Acidic pH
Materials to avoid: Strong oxidizers. May react with lead and copper plumbing to form highly explosive metal azides.
Hazardous reactions/decomposition: Carbon monoxide, carbon dioxide, nitrogen oxides.

Section 11. Toxicological Information

Acute toxicity: Product does not present an acute toxicity hazard based on known or supplied information
Chronic toxicity: None known.

Section 12. Ecological Information

No data available.

Section 13. Disposal Considerations

Observe all federal, state and local environmental regulations.

Section 14. Transport Information

DOT (US): Not dangerous goods.
RID/ADR: Not regulated.
IMDG: Not dangerous goods.
IATA: Not dangerous goods

Section 15. Regulatory Information

SARA: SARA 302 - No chemicals in this material are subject to the reporting requirements
SARA 313 - No chemicals in this material with known CAS #s are subject to the SARA 311/312 Hazards - No SARA Hazards.
California Prop. 65 component: This product does not contain any chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

Section 16. Other Information

The information contained in this Material Safety Data Sheet is believed to be accurate but it is the responsibility of the user to determine the applicability of these data to the formulation of necessary safety precautions. AlgaPharma shall not be held responsible for any damage resulting from the use of the above product or the information contained in this Material safety Data Sheet.