Material Safety Data Sheet

Product Name: PhycoPro™ B-Phycoerythrin (red algae)

Product Code: PB71

Composition: We are unaware of any hazards for this product other than those associated with the sodium azide and ammonium sulfate used as stabilizers. ProZyme has evaluated all of its products to ensure compliance with OSHA regulations. Per section 1910.1200 of Title 29 CFR the OSHA Hazard Communication Standard, the product named herein does not require a material safety data sheet (MSDS). We recommend treating all chemicals with caution. The following MSDS information pertains to Ammonium Sulfate suspension, CAS# 7783-20-2.

CAS #: 7783-20-2

Hazard Identification: May be harmful by inhalation, ingestion, or skin absorption. Causes eye irritation. May cause skin irritation.

First Aid Measures: In case of contact:

Eyes - Immediately flush eyes with copious amounts of water for at least 15 minutes.

Skin - Immediately wash skin with soap and copious amounts of water.

Inhalation - Remove to fresh air. Give oxygen if breathing becomes difficult. Give artificial respiration if not breathing.

Ingestion - Wash out mouth with water. Call a physician.

— IF IN DOUBT, SEEK MEDICAL ADVICE —

Firefighting Measures: Extinguish with water, CO_2, dry chemicals or appropriate foam. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Emits toxic fumes under fire conditions.

Accidental Release Measures: Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Absorb on sand or vermiculite and place in a closed container for disposal. Ventilate area and wash spill site after material pickup is complete.

Handling/Exposure Controls: Wear appropriate a NIOSH/MSHA approved respirator, chemical resistant gloves, safety goggles and other protective clothing.

Storage: Store at 4°C in the dark. DO NOT FREEZE.

Physical and Chemical Properties: Liquid

Stability and Reactivity: Stable. Avoid excessive heat. Incompatible with strong oxidizing agents and strong bases. Hazardous decomposition byproducts include toxic fumes of sulfur oxides, ammonia, and nitrogen oxides. Additional information: the addition of sodium hypochlorite to a solution of acidified ammonium sulfate leads to the formation of nitrogen trichloride and may result in an explosion. Contact of potassium or sodium-potassium alloy with a mixture of ammonium sulfate and ammonium nitrate results in an explosion. Heating a mixture of potassium chlorate and ammonium sulfate results in decomposition with incandescence. Mixing ammonium sulfate with fused potassium nitrite results in a vigorous reaction with flames. Decomposes at 455°F, releasing ammonia and sulfur trioxide.

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Toxicological Information:	Harmful if swallowed. May be harmful if inhaled. May be harmful if absorbed through the skin. Vapor or mist is irritating to the eyes, mucous membranes and upper respiratory tract. Causes skin irritation.
Ecological Information:	Not available.
Disposal Information:	Incinerate in a furnace equipped with an afterburner and scrubber. Observe all federal, state and local laws.
Transport Information:	Contact ProZyme for transportation information.
US Regulatory Information:	Not available.

The above information is supplied in good faith and is believed to be correct. It does not claim to be all-inclusive and is intended to be used only as a guide. Final determination of the suitability of any material is the sole responsibility of the user. ProZyme shall not be held responsible for any damage resulting from handling or contact with the above product. This product is intended for *in vitro* research only.

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