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Fritz ProAquatics Methylene Blue

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SECTION 1: Product Information

Date Revised	07/07/07
Brand Name	Fritz ProAquatics
Product Name	Methylene Blue
NFPA (704) Rating	Health: 1 Flammability: 0 Reactivity: 0 Special: 0

SECTION 2: Composition & Information on Ingredients

CAS Number	61-73-4
% by Weight	> 75

SECTION 3: Hazards Identification

Emergency Overview	May cause nausea and other acute distress, based on the observation that some basic dyes have caused these effects. It is not known to us that this specific dye has caused such an effect to date. Any material that gets into the eyes or on the skin may be irritating.
Potential Acute Health Effects	Acute oral toxicity (LD50): above 1,180 mg/kg tested in rats
Potential Chronic Health Effects	Possible mutagenic hazard based on positive Ames test.

SECTION 4: First Aid Measures

Eye Contact	Immediately flush eyes with large amounts of water for at least 15 minutes and then get medical attention.
Skin Contact	Shower immediately with soap and water. If irritation develops, get medical attention.
Inhalation	Remove to fresh air. Get medical attention.
Ingestion	Get immediate medical attention.

SECTION 5: Fire & Explosion Data

Fire Fighting Media	Water, dry chemical, carbon dioxide, foam
Unusual Fire and Explosion Hazards	Product is produced to minimize dusting, but since most organic products as dusts can form explosive mixtures with air, handle to avoid dusting conditions. Product not considered a fire hazard, but may burn or smolder if ignited.

SECTION 6: Accidental Release Measures

Leak/Spill	Sweep up bulk of spill and flush remainder with water. Follow all precautions for handling this product when dealing with spills.
Disposal	Waste material may be dumped or incinerated under conditions which meet all federal, state and local environmental control regulations.

SECTION 7: Handling and Storage

Handling	Avoid unnecessary personal contact. Workers must shower with soap and water after handling and send clothes to be laundered.
Storage	Store with container closed in a dry place away from excessive heat and open flames.

SECTION 8: Exposure Controls/Personal Protection

Respiratory Protection	An appropriate NIOSH approved respirator for dust must be worn.
Ventilation	Use of local ventilation is recommended when using this product.
Eye Protection	Wear safety glasses with side shields.
Other Protective Equipment	Wear impermeable rubber or plastic gloves. Wear a rubber or plastic apron. Wear normal work clothes; long sleeve shirt and pants; clean every shift.

SECTION 9: Physical & Chemical Properties

Physical State & Appearance	Orange-brown powder; Slight odor
Apparent Density	Normal 0.69 - 0.72
Solubility (Water = 1)	Approx. 1.5gm/100ml @ 25°C

SECTION 10: Stability & Reactivity Data

Stability	Stable under outlined conditions of storage, shipment, and use.
Hazardous Decomposition Products	Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced as well as acidic and oxidation products of halogens.
Hazardous Polymerization	Will not occur

SECTION 11: Toxicological Information

Toxicity to Animals	Acute oral toxicity (LD ₅₀): above 1,180 mg/kg tested in rats
Chronic Effects	Possible mutagenic hazard based on positive Ames test.
Special Remarks on Chronic Effects on Humans	May cause nausea and other acute distress, based on the observation that some basic dyes have caused these effects. It is not known to us that this specific dye has caused such an effect to date.

SECTION 12: Transport Information

DOT Classification Not restricted

SECTION 13: Environmental Evaluation

Environmental Effects No significant harmful environmental effects are known.

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