



Aquatic BioScience, LLC
Tel: (707) 964-9659
January 24, 2007

MATERIAL SAFETY DATA SHEET

SECTION I – PRODUCT DESCRIPTION

Trade Name: **ABS-PF™**
Chemical Family: Chitosan
Chemical: Poly n-Acetylglucosamine
CAS No.: 9012-76-4
DOT Proper Shipping Name: Chitosan

DOT Hazard Class: 55
DOT Label: None
Product label: ABS-PF™

SECTION II - COMPONENTS (Hazardous & Other)

Hazardous Ingredients: None Known

SECTION III - PHYSICAL DATA

State: Liquid
Appearance: Yellow liquid
Odor: Slight vinegar
Boiling Point: 211°F
pH: 5.8

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A
Flammable Limits: None
Extinguishing Media: Water: **X** Foam: **X**

Special Fire Explosion Hazards: None known.

SECTION V - REACTIVITY DATA

Stability: Stable.
Polymerization: Will not occur.
Conditions To Avoid: Excessive heat.
Incompatibility: Strong oxidizing agents and strong bases.
Hazardous Decomposition Products: Chitosan.
Decomposition Temperature: 211°F (will boil)



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SECTION VII – HEALTH HAZARD DATA

Acute health effects and first aid procedures:

Eye Contact: ABS-PF™ is mildly irritating to eyes. Flush with water for 15 minutes to remove and call physician.

Skin Contact: ABS-PF is not hazardous but cleansing the skin after use is advisable.

Inhalation: If large amounts of ABS-PF fumes are inhaled, remove to fresh air and call a physician.

Ingestion: If ABS-PF is swallowed, no specific intervention is indicated as the compound is not likely to be hazardous by ingestion. However, consult a physician if necessary.

Toxicological Data: Acute oral, LD50(mice) >16g/kg.

Potential chronic health effects: n/a

Carcinogenicity: n/a

SECTION VIII – PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection: Not required neither are local or mechanical exhausts.

Protective gloves: Rubber gloves are recommended.

Eye protection: Safety glasses are recommended.

Other protective clothing: Emergency showers and eye wash stations are suggested. Employees should wash their hands before eating or drinking.

SECTION IX – REGULATORY

TSCS: Is listed on the TSCS inventory.

OSHA: Not considered hazardous.

EPA: Exempt from EPA code.

RCRA: If discarded in its purchased form, this product would be a hazardous waste. Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product, or derived from the product should be classified as a hazardous waste.



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