

# PROtech MATERIAL SAFETY DATA SHEET

## I - PRODUCT IDENTIFICATION

Product: Natural Clarifier ; Spa Natural Clarifier  
Chemical Family:  
Formula:  
CAS Numbers: 9012-76-4  
Synonyms:

### COMPANY IDENTIFICATION

AllChem Performance Products, LP  
6010 NW First Place  
Gainesville, FL 32607  
Tel: 352-378-9696

### DISTRIBUTED BY:

WINDO  
Suite 200 Post Place / West 721 Boone  
Spokane, WA 99201

### 24 HR EMERGENCY TELEPHONE NUMBER

INFOTRAC (Transportation): (800)535-5053

## II- COMPOSITION, INFORMATION ON INGREDIENTS

Chemical or Common Name:	Concentration	Exposure Limits	
		OSHA PEL:	ACGIH TLV:
Chitosan (CAS# 9012-76-4)	<1%	NA	NA
Acetic Acid (CAS# 64-19-7)	<1%	NA	NA
Water( CAS# 7732-18-5)	>98%	NA	NA

This product contains no hazardous components as defined by the Occupational Safety and Health Administration regulations (29 CFR Section 1910.1200)

## III – HAZARDS IDENTIFICATION

Primary Route(s) of Entry:

Ingestion: ()  
Inhalation: ()  
Skin Contact: ()  
Eye Contact: ()

Primary Health Hazards (Acute and Chronic): N/A

Carcinogenity Listings:

OSHA: ()  
NTP: ()  
IARC: ()

Signs & Symptoms of Exposure: N/A

Ingestion:  
Inhalation:  
Skin Contact:  
Eye Contact:

Medical Conditions Aggravated By Exposure: N/A

## IV – FIRST AID MEASURES

Emergency and First Aid Procedures: N/A

Ingestion: Not likely to be hazardous by ingestion, However, consult a physician if necessary.

Inhalation: N/A

Skin Contact: In case of skin contact, the compound is not hazardous but cleansing the skin after use is advisable.

Eye Contact: Immediately flush with plenty of water for at least 15 minutes. Call a physician.

## V – FIRE FIGHTING MEASURES

### FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None

Flammable Limits: N/A

LEL:

UEL:

Extinguishing Media: Does not burn. Use water, dry chemicals, carbon dioxide, sand or foam. Use extinguishing media appropriate for surrounding fire.

Special Fire-fighting Procedures: Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coat, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Water may be used to keep fire exposed containers cool until fire is out.

Unusual Fire and Explosion Hazards: None

## VI – ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Spilled Or Released:

Dilute with water and hose down. Wear suitable protective clothing.

## VII – HANDLING AND STORAGE

Precautions to Be Taken in Handling and Storage: Suitable for any general chemical storage area. Keep container tightly closed. Storage at 10-50°C recommended. Will freeze at -3°C. Indefinite shelf life.

Other Precautions: N/A

## VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: None required under normal use

Ventilation:

Local Exhaust:

Mechanical Exhaust: Generally adequate

Other Protective Clothing or Equipment: N/A

Work/ Hygienic Practices: Good hygiene practices should be strictly followed. Before eating, drinking or smoking, wash face and hands thoroughly. For operations where eye or face contact may occur, wear chemical goggles or face shield. Showers and eye wash facilities should be accessible.

## IX- PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 211°F

Vapor Pressure (mm Hg): N/A

Vapor Density (Air=1): N/A

Solubility in Water: soluble

Appearance and odor: Clear solution; slight odor

Specific Gravity (H<sub>2</sub>O=1): 1.004

Percent volatile by volume:

Melting Point: N/A

Evaporation Rate: N/A

## X – STABILITY AND REACTIVITY

Stability:  Unstable  Stable at normal temperatures

Conditions to Avoid: N/A

Incompatibility: Strong oxidants, strong bases.

Hazardous Decomposition or By-Products:

Hazardous Polymerization:  May Occur  Will Not Occur

## XI - TOXICOLOGICAL INFORMATION

Acute Toxicity:  
Target Organ Toxicity:  
Reproductive and Development Toxicity:  
Carcinogenicity:  
Mutagenicity:

## XII – ECOLOGICAL INFORMATION

Material is 100% bio degradable.

Aquatic Toxicity:  
Avian Toxicity:

## **ENVIRONMENTAL HAZARDS (PR Notice 93-10)**

This product is toxic to fish and aquatic organisms. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water board or Regional Office of the EPA.

## XIII – DISPOSAL CONSIDERATIONS

Waste Disposal Method: Material is 100% bio degradable, is non-toxic and can be disposed of in accordance with all applicable local, state and federal environmental regulations.

## XIV - TRANSPORTATION DATA

Please refer to applicable regulations or call company noted under Section I.

## XV - REGULATORY INFORMATION

SARA Title III:  
TSCA:

## XVI - ADDITIONAL INFORMATION

This MSDS replaces the 07/13/2005 version. Any changes in information are as follows: Section XIV. **ALWAYS COMPLY WITH ALL APPLICABLE INTERNATIONAL, FEDERAL, STATE AND LOCAL REGULATIONS REGARDING THE TRANSPORTATION, STORAGE, USE AND DISPOSAL OF THIS CHEMICAL.** Due to the changing nature of regulatory requirements, the REGULATORY INFORMATION listed in Section XV of this document should NOT be considered all-inclusive or authoritative. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements. The information in this MSDS was obtained from sources, which we believe are reliable. **HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS.** The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. **FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT.** This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.