

Material Safety Data Sheet

Form: Powder

Section 1: Chemical Product and Company Information

Product Name: AquaPro F
 Other identifier: None
 Recommended use: Aquaculture waste water treatment
 Supplier information: Aquaintech Inc.
 6722 162nd Place SW
 Lynnwood, WA 98037 USA (T/F) 425-787-5218 (E) sgnewm@hotmail.com
 Emergency phone: 425-787-5218

Section 2: Hazards Identification

Hazard Class: Category 1: Respiratory Sensitizer
 Signal Word: **WARNING!**
 Hazard Statement: May cause mild eye irritation. May cause mild skin irritation. Inhalation of enzyme containing dust may cause allergic reactions to susceptible individuals on repeated exposure.
 Precautionary statement: Do not breathe dust. Do not get on skin or clothing. Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Keep container closed and sealed until ready for use. Wash thoroughly after handling. Do not ingest.
 Hazard symbol: **Exclamation mark!**

Section 3: Composition / ingredients information

CAS #	Chemical Name	EINECS/ELINCS	IUB	% by weight
9000-90-2	Alpha amylase	232-565-6	3.2.1.1	1%
9012-54-8	Cellulase	232-734-4	3.2.1.4	<0.5%
9001-82-1	Lipase	232-619-9	3.1.1.3	<0.5%
9014-01-1	Protease (subtilisin)	232-752-2	3.4.21.62	<0.5%
68920-42-3	Bacteria Enzyme complex			20-30%

Other components: remaining components of this product are proprietary, non hazardous and/or are present at concentrations below reportable limits.

Section 4: First aid measures

Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
 Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids; get medical aid.
 Skin contact: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
 Ingestion: Never give anything by mouth to an unconscious person. Get medical aid immediately. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupful's of water.

Section 5: Firefighting measures

Extinguishing media:	Water, foam, chemical, carbon dioxide
Firefighting chemical hazards:	May cause allergic respiratory reaction
Firefighting protective actions:	Not available

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures: Contact unnecessary and unprotected personnel from entering area. Provide sufficient ventilation and remove contaminated clothing. Do not walk through spilled material. Avoid breathing dust.

Environmental precautions: Removal by mechanical means (i.e. vacuuming with HEPA filters) is preferred. Solid can be placed in sealed containers for disposal. Dilute remainder with plenty of water avoiding the formation of aerosols and flush to an approved drain according to local guidelines.

Methods and material for containment and disposal: Remove spilled material immediately to reduce the formation of dust using mechanical means (i.e. vacuuming with HEPA filters) is preferred. Solid can be placed in sealed containers for disposal. Dilute remainder with plenty of water avoiding the formation of aerosols and flush to an approved drain according to local guidelines.

Section 7: Handling and storage

Precautions:	Segregate from acids, peroxides, and combustible organic materials or easily oxidizable materials. Keep away from heat and flame.
Storage:	Keep away from heat and flame. Store in a cool dry area in closed original containers.
Hygiene:	Not specified

Section 8: Exposure controls / Personal protection

Occupational Exposure Limits:	None established
Biological limit values:	None established

Section 9: Physical and chemical properties

Physical State:	Solid
Appearance:	Tan free flowing powder
Odor:	Fermentation odor
Odor threshold:	Not established
pH:	Not established.
Freezing/Melting Point:	Not established.
Initial boiling point and boiling range:	Not available.
Flash Point:	Not available.
Evaporation Rate:	Not available.
Flammability:	Not available
Upper/lower flammability or exposure limits:	Not available
Vapor Pressure:	Not available.
Vapor Density:	Not available
Relative Density:	Not established
Solubility:	Dispersible in water
Partial coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available
Explosive properties:	Not available
Oxidizing properties:	Not available
Other Information:	No additional information.

Section 10: Stability and reactivity

Chemical stability:	Stable
Hazardous reactions:	None identified
Conditions to avoid:	None known
Incompatible materials:	None known
Hazardous decomposition products:	None

Section 11: Toxicological information

Acute toxicity:	Ingestion of this material is not known to result in adverse effects. No specific data available.
Skin irritation:	This material may be a mild skin irritant.
Serious eye damage/irritation:	Overexposure to the eye is characterized by irritation.
Respiratory or skin sensitization:	Overexposure by inhalation may cause sensitization and allergic response in hypersensitive individuals; not a skin sensitizer.
Germ cell mutagenicity:	Not available
Carcinogenicity:	Not listed by IARC, OSHA, or NTP
Reproductive toxicity:	No data available
Aspiration hazard:	See respiratory sensitization

Section 12: Ecological information

Ecotoxicity:	No specific data available
Persistence and degradability:	No specific data; components are considered to be biodegradable.
Bioaccumulative potential:	No specific data; components considered to be biodegradable will not bioaccumulate.
Mobility in soil:	No data available
Results of PBT & vPvB assessment:	No specific data available; the substance does not meet the criteria for characterization as either PBT or vPvB.
Other adverse effects:	None known

Section 13: Disposal considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Section 14: Transport information

UN number:	None assigned; the substance is not classified as hazardous for transport.
UN proper shipping name:	N/A
Transportation hazard class:	N/A
Packing group:	N/A
Transportation environmental hazard:	The substance is not classified as hazardous for transport.
Transport special precautions:	The substance is not classified as hazardous for transport.
MARPOL:	The substance is not classified as hazardous for transport.

Section 15: Regulatory information

HMIS Hazards Ratings:	Health	1
	Flammability	0
	Reactivity	0
	Personal Protection:	E

Section 16: Other information

Revision history: 1 Effective date: September 2020 Supersedes: First issue GHS FORMAT

The information contained in this Material Safety Data Sheet, as of the issue date, is believed to be true and correct. However, the accuracy or completeness of this information and any recommendations or suggestions are made without warranty or guarantee. Since the conditions of use are beyond the control of the company, it is the responsibility of the user to determine the conditions of safe use of this product. The information does not represent analytical specifications.