



SAFETY DATA SHEET

Section 1: Identification

Product Name PEPTON 14-0-1
Derived from Hydrolyzed Protein in Powder
SKU No. 85090 (Organic)
Relevant identified uses of the substance or mixture and uses advised against
Recommended use Used as a fertilizer
Distributor APC, Inc.
2425 SE Oak Tree Court
Ankeny, Iowa 50021
United States
www.functionalproteins.com
Manufacturer APC Europe S.L.U.
Av. San Julian, 246-258 Pol. Ind. Congost
08403 Granollers
Spain
www.functionalproteins.com
Emergency telephone number (515) 289-7600

Section 2: Hazard Identification

GHS - Classification of the substance or mixture

Signal Word Not hazardous

Health Hazard Not hazardous

Physical Hazards Not hazardous

Principle Routes of Exposure/Potential Health Effects

Eyes May cause discomfort.

Skin May cause irritation.

Inhalation Like most other dust, it may cause irritation of the respiratory system.

Ingestion Not fit for Human Consumption.

Specific effects

Carcinogenic effects None

Mutagenic effects None

Reproductive toxicity None

Sensitization None

Target Organ Effects No known effects under normal use conditions.

Label Elements None

Hazardous Material Information System (HMIS):	Health	0
	Flammability	0
	Reactivity	0

Section 3 - Composition/Information on Ingredients

Pepton is a naturally obtained formulation supplied in microgranulated form, 100% soluble in water, obtained by enzymatic hydrolysis.

Section 4: First-Aid Measures

Possible allergen to those allergic to porcine products

Inhalation	Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Seek medical advice, if necessary
Skin	Rinse with plenty of soap & water. If symptoms arise, call a physician.
Eye	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Drink Water.
Most Important Symptoms and Effects, both Acute and Delayed	Inhalation (dust): Large quantities may cause irritation to the respiratory system. Increase difficulty in breathing. Sneezing. Coughing. Eye Contact: May cause irritation. Ingestion: May cause a stomach ache.
Notes to Physician	All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media	Water spray, carbon dioxide, dry chemical or similar.
Unsuitable Extinguishing Media	Do not use water jet.
Unusual Fire and Explosion	As with any organic dust, PETPTON may be explosive if mixed with air in critical proportions. The product should not be exposed to high temperature for a long period of time.
Advice for firefighters	Wear self-contained breathing apparatus and protective suit.

Maintain normal good housekeeping

Section 6 - Accidental Release Measures

Personal Precautions	Goggles, rubber gloves recommended. In case of insufficient ventilation, wear suitable respiratory equipment.
Emergency Procedures	Like most organic materials, dust of PEPTON may be flammable under certain conditions, and may form explosive clouds. Care should be taken to prevent the formation of dust clouds in storage and avoid sources of ignition.
Environmental Precautions	Avoid release to environment.
Methods / Materials for Containment/Clean-up	Flush area with soap, water and disinfectant.

Section 7 - Handling and Storage

Handling	Avoid extensive dust formation.
Storage	Store in clean, dry area; ambient temperature
Incompatible Materials or Ignition Sources	No known material or ignition sources.

Section 8 - Exposure Controls/Personal Protection

Minimize dust formation during handling to prevent inhalation or skin contact.

Occupational Exposure	Contains no substances with occupational exposure limit values.
Engineering Measures	Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable exposure limit values.
Personal Protective Equipment	
Respiratory	In case of insufficient ventilation, wear suitable respiratory equipment.
Eye/Face	Wear safety goggles.
Hands	Wear protective gloves.
Skin/Body	Wear lightweight protective clothing.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.
Environmental Exposure Controls	Follow best practice for site management and disposal of waste. Avoid release to the environment.

Section 9 - Physical and Chemical Properties

Material Description

Physical Form	Micro granulated instant powder
Appearance	Dark redish brown
Odor	Mild meat aroma
Boiling Point/Range	No data
Melting Point/Range	No data
pH	No data
Evaporation	No data
Flammability	No data
Vapor	No data
Bulk Density	No data
Solubility	Soluble in water
Partition coefficient	No data
Autoignition	No data
Oxidizing Properties	No data
Water Solubility	99.5%

Section 10: Stability and Reactivity

Chemical Stability	Stable under normal temperatures and pressures
Reactivity	No dangerous reaction known under conditions of normal use.
Possibility of Hazardous Reactions	Hazardous polymerization will not occur.
Incompatible Materials	No dangerous reaction known under conditions of normal use.
Hazardous Decomposition Products	None

Section 11 - Toxicological Information

Target Organs	No known effects under normal conditions of use.	
Entry/Exposure		
	Inhalation	Like most other dust, it may cause irritation of the respiratory system.
	Skin	May cause skin irritation in susceptible persons.
	Eye	May cause eye irritation in susceptible persons.
	Ingestion	Not fit for human consumption

Section 12 - Ecological Information

Toxicity	Material data lacking.
Biodegradation	PEPTON is readily biodegraded in the environment.
Bioaccumulation	Material data lacking.
Mobility in Soil	Material data lacking.

Section 13 - Disposal Considerations

Product waste	Dispose of content and/or container to licensed waste disposal site in accordance with local, regional, national, and/or international regulations.
Packaging waste	Dispose of content and/or container to licensed waste disposal site in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

IATA	
Proper shipping name	No special precautions required. Transport in clean and dry area; ambient temperature.
Hazard Class	None
Subsidiary Class	None
Packing Group	None
UN-No	None

Section 15 - Regulatory Information

SARA Hazard Classifications

This product is not regulated by SARA.

PEPTON is produced according to Regulation (EC) num 1069/2009 as Category 3 animal by-product and therefore, is not fit for human consumption

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.

Section 16 - Other Information

Transport of Category 3 material is subject to approval of the hauler under Regulation 1069/2009

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