



SAFETY DATA SHEET

Section 1: Identification

Product Name AP301 Spray Dried Animal Blood Cells
SKU No. 1623
Relevant identified uses of the substance or mixture and uses advised against
Recommended use Used as an ingredient/additive in pet food and animal feed systems.
Manufacturer APC, Inc.
2425 SE Oak Tree Court
Ankeny, Iowa 50021
United States
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 eye irritation with susceptible persons.

Skin May cause skin irritation in susceptible persons.

Inhalation May be harmful by inhalation.

Ingestion May be harmful if swallowed.

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

The product does not contain substances, which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

Section 4: First-Aid Measures

Inhalation	Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.
Skin	Rinse with plenty of 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	Do NOT induce vomiting. If person is drowsy or unconscious and vomiting, place on the left side with head down. Seek medical attention.
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, regular foam, carbon dioxide, dry chemical
Unsuitable Extinguishing Media	Do not use water jet.
Unusual Fire and Explosion Hazards	As with any organic dust, may be explosive if mixed with air in critical proportions.
Advice for firefighters	Wear self-contained breathing apparatus and protective suit.

Section 6 - Accidental Release Measures

Personal Precautions	Goggles, rubber gloves recommended. In case of insufficient ventilation, wear suitable respiratory equipment.
Emergency Procedures	As an immediate precautionary measure isolate spill or leak area for at least 50 meters (150 feet) in all directions.
Environmental Precautions	Avoid release to environment.
Methods / Materials for Containment/Clean-up	Sweep up into suitable containers for recovery or disposal. Dispose of via a licensed waste disposal contractor. Flush area with soap and water.

Section 7 - Handling and Storage

Handling	Avoid inhaling dust. Avoid contact with eyes.
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

Occupational Exposure Engineering Measures Contains no substances with occupational exposure limit values. 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 Powder
Appearance Dark reddish-brown
Odor Neutral
Boiling Point/Range No data
Melting Point/Range No data
pH 7 - 9
Evaporation No data
Flammability No data
Vapor No data
Bulk Density .491 g/cc
Solubility Soluble in water
Partition coefficient No data
Autoignition No data
Oxidizing Properties No data
Water Solubility No data

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 conditions normal of use
Entry/Exposure	
Inhalation	May be harmful by inhalation
Skin	May cause skin irritation in susceptible persons.
Eye	May cause eye irritation in susceptible persons.
Ingestion	May be harmful if swallowed.

Section 12 - Ecological Information

Toxicity	Material data lacking.
Biodegradation	Material data lacking.
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	Not classified as dangerous in the meaning of transport regulations
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.

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

This product does not contain HAPs.

California Proposition 65

This product does not contain chemicals listed under Proposition 65.

Section 16 - Other Information

Document Number: SDS-1623-000
Date Created: 10/30/2014
Date Last Revised: 10/30/2014
Date Printed: 4/6/2015

Disclaimer/Statement of Liability

THIS INFORMATION IS FURNISHED WITHOUT WARRANTY, REPRESENTATION, INDUCEMENT, OR LICENSE OF ANY KIND, EXCEPT THAT IT IS BELIEVED ACCURATE TO THE BEST OF OUR KNOWLEDGE, OR OBTAINED FROM SOURCES BELIEVED TO BE ACCURATE. PROLIANT INC. DOES NOT ASSUME ANY LEGAL RESPONSIBILITY FOR USE OR RELIANCE UPON SAME. CUSTOMERS ARE ENCOURAGED TO CONDUCT THEIR OWN TESTS.