



Pony Testing International Group



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Report No.: GMIJYLR27539716

SDS Report

Sample Description

FAVA BEAN PROTEIN

Applicant

YANTAI T.FULL BIOTECH CO.,LTD.

Pony Testing International Group

www.ponytest.com

Code: m9186z

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上海实验室: (021)64851999	大连实验室: (0411)87336618	西安实验室: (029)89608785	合肥实验室: (0551)63843474
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Safety Data Sheet

According to: ST/SG/AC.10/30/Rev.6 (GHS)
FAVA BEAN PROTEIN

Section 1 - Identification of the substance/preparation and of the company/undertaking

Product Identifier

Product name : FAVA BEAN PROTEIN

Relevant identified uses of the substance or mixture and uses advised against

Identified uses : FOOD RAW MATERIALS

Details of the supplier of the safety data sheet

Applicant : YANTAI T.FULL BIOTECH CO.,LTD.

Address : SHIDUITOU,ZHANGXING TOWN,ZHAOYUAN,SHANDONG,CHINA 265400

TEL : +86-535-8931316

FAX : +86-535-8930820

E-mail : lixueyun12789@vip.163.com

Emergency Phone # +86-535-8931316

Section 2 - Hazards Identification

Classification of the substance or mixture

Classification according to GHS

Not a dangerous substance according to GHS.

Label elements

Pictogram No data available

Signal word No data available

Hazard statement(s) No data available

Precautionary statement(s) No data available

Other hazards

Physical and chemical hazards: See Section 10

Human health hazards: See Section 11

Environmental hazards: See Section 12

Section 3 - Composition/Information on Ingredient

Chemical composition

Component	CAS No.	Formula	Composition	EC No.	GHS CLASS
Protein	9010-10-0	/	84%	232-720-8	/
Starch	9005-25-8	(C ₆ H ₁₀ O ₅) _n	1%	232-679-6	/
Water	7732-18-5	H ₂ O	7%	231-791-2	/
Ash	/	/	4%	/	/
Crude fiber	/	/	3%	/	/

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Pony Testing International Group Co., Ltd.
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PONY-BG186-2-012-1-2017A

北京实验室: (010)82618116

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青岛实验室: (0532)88706866

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Component	CAS No.	Formula	Composition	EC No.	GHS CLASS
Fat	/	/	1%	/	/

For the full text of H-Statements mentioned in this Section, see Section 16.

Section 4-First Aid Measures

Description of first aid measures

Eye Contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes. Occasionally lifting the upper and lower eyelids. Get medical attention if irritation occurs.

Skin Contact: Immediately wash skin with soap and copious amounts of water while removing contaminated clothing and shoes. If irritation develops and persists, seek medical attention.

Ingestion: Wash out mouth with water. Get medical attention if symptoms appear.

Inhalation: Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if irritation develops or persists.

Personal protective equipment for first-aid responders:

No further relevant information available.

Most important symptoms/effects, acute and delayed:

No further relevant information available.

Indication of immediate medical attention and special treatment needed:

Treat symptomatically.

Section 5 - Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture:

This material in sufficient quantity and reduced particle size is capable of creating a dust explosion. Sensitivity to static discharge is not expected under normal conditions, however, dusts must be controlled to avoid potential ignition. Keep product and empty container away from heat and sources of ignition.

Advice for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

If packages rupture. Ensure adequate ventilation. Use personal protective equipment. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. Spilled or released at long industrial condition: Remove ignition sources, Keep away from heat and flame, evacuate area. Avoid dust formation. Avoid breathing dust.

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Shut off source of the leak only if it is easy to do so. Do not get water inside containers. Wash walking surfaces with detergent and water to reduce slipping hazard.

Environmental precautions

No information available.

Methods and materials for containment and cleaning up

Sweep up and place in suitable containers for recycle or disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Section 7 - Handling and Storage

Precautions for safe handling

Dust generated in handling of this product can be explosive if sufficient quantities are mixed in air. In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid breathing dust. Avoid physical damage to the container. Ground and bond containers when transferring material. Take necessary action to avoid static electricity discharge. Do not eat, drink or smoke while handling the product. Do not allow water to get into the container.

Conditions for safe storage, including any incompatibilities

Keep away from heat and flame. Store in a cool, dry, well-ventilated away from incompatible substances and foodstuff containers. Store in a tightly closed container. Keep away from moisture and water. Keep out of the reach of children. Avoid bacterial contamination. Ideal storage temperature is 2°C to 8°C.

Specific end uses

No data available

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure limits:

CAS# 9005-25-8:

ACGIH: TLV- TWA: 10 mg/m³

OSHA: PEL- TWA 15 mg/m³ (total); 5 mg/m³ (resp)

NIOSH: REL- TWA 10 mg/m³ (total); 5 mg/m³ (resp)

Belgium - TWA: 10 mg/m³

Korea-TWA: 10 mg/m³

New Zealand -TWA: 10 mg/m³ (inspirable dust)

Russia- STEL: 10 mg/m³

United kingdom- TWA: 10 mg/m³ (inhalable); TWA: 4 mg/m³ (respirable)

Engineering Controls

PONY 谱尼测试
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Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment

Eyes Protection: No special eye protection is normally required. If operating conditions create dust that is not adequately controlled, wear appropriate goggles.

Skin Protection: The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.

Body Protection: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respirators Protection: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Other Protection: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. To maintain good health habits.

Section 9 - Physical and Chemical Properties

Physical State	Powder
Colour	Light yellow
Odour	Odorless
pH	6-8
Melting point/freezing point	No data available
Boiling point or initial boiling point and boiling range	No data available
Flash point	Not applicable
Flammability (solid, gas)	No data available
Lower and upper explosion limit/ flammability limit	No data available
Vapour pressure	No data available
Relative vapour density	No data available
Density/Relative density	No data available
Solubility	Soluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Particle characteristics	No data available



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Section 10 - Stability and Reactivity

Reactivity	No data available
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	
Hazardous Polymerization	Will not occur.
Hazardous Reactions	None under normal processing.
Conditions to avoid	Incompatible materials. Excess heat. Avoid dust formation. Exposure to moisture. Gross bacterial contamination.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Under fire conditions toxic fumes may be released.

Section 11 - Toxicological Information

Information on toxicological effects

Acute toxicity:

CAS# 9005-25-8:

Intraperitoneal, mouse: LD50 = 6600 mg/kg;

Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available

Carcinogenicity

Protein - IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Starch - IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Water - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Ash - The toxicological properties have not been thoroughly investigated.

Crude fiber - IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Fat - IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available

Potential Health Effects

Eye: Direct contact with the eye may cause transient discomfort characterised by tearing or conjunctival redness.

Slight abrasive damage may also result. The material may produce foreign body irritation in certain individuals.



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Skin: No special hazard risk under normal use. May cause irritation with repeated and prolonged exposure. May cause allergic skin reaction.

Ingestion: No special hazard risk under normal use. If ingested in sufficient quantity may cause injury such as gastrointestinal disturbances.

Inhalation: No special hazard risk under normal use. Inhalation of airborne dust may cause irritation to the mucous membrane and upper airways. Symptoms of exposure can include coughing, sneezing and breathing difficulties.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information

RTECS#: CAS# 9010-10-0: Unlisted/CAS# 9005-25-8: GM5090000/ CAS# 7732-18-5: ZC0110000

Section 12 - Ecological Information

Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	No data available
Other adverse effects	Do not empty into drains.

Section 13 - Disposal Considerations

Waste treatment methods

Waste from Residues / Unused Products: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Contaminated packaging: Contaminated packaging material should be treated equivalent to residual chemical. Clean packaging material should be subjected to waste management schemes (recovery recycling, reuse) according to local legislation.

Section 14 - Transport Information

	IATA	IMDG	RID/ADR
Proper shipping name	Not regulated	Not regulated	Not regulated
Hazard class	/	/	/
Un number	/	/	/
Packing group	/	/	/



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Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulatory information: Reference to the local, national, US, EU, CA and international

Canada

All chemicals in this product with known CAS numbers are listed on Canada's DSL List.

US Federal

Toxic Substance Control Act (TSCA)

All chemicals in this product with known CAS numbers are listed on the TSCA Inventory.

China

Inventory of Existing Chemical Substances Produced or Imported in China (IECSC)

All chemicals in this product with known CAS numbers are listed on the IECSC Inventory.

Section 16 - Additional Information

SDS Creation Date: Jan 30, 2018

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Other Information:

ACGIH: (American Conference of Governmental Industrial Hygienists); CAS: (Chemical Abstracts Service); DSL: (the Domestic Substances List of Canada); EC: (European Commission); IARC: (International Agency for Research on Cancer); IATA: (International Air Transport Association); IMDG: (International Maritime Dangerous Goods); ADR: (European Agreement Concerning the International Carriage of Dangerous Goods by Road); RID: (Regulations Concerning the International Carriage of Dangerous Goods by Rail); LD50: (Lethal dose, 50 percent kill); NDSL: (the Non-domestic Substances List of Canada); NIOSH: (US National Institute for Occupational Safety and Health); NTP: (US National Toxicology Program); OSHA: (US Occupational Safety and Health); PEL: (Permissible Exposure Level); REL: (Recommended Exposure Limit); RTECS: (Registry of Toxic Effects of Chemical Substances); STEL: (Short Term Exposure Limit); TDG: (Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations); TSCA: (Toxic Substances Control Act of USA); IECSC: (Inventory of Existing Chemical Substances Produced or Imported in China); TWA: (Time Weighted Average); TLV: (Threshold Limit Value)