

# Material Safety Data Sheet Of High Energy Jujube Powder Feed

## Section 1: Product And Company Identification

- **Product identifiers**

Product name: High Energy Jujube Powder Feed  
Product Number: FPO-2  
Brand: Pangoo  
CAS-No.: 90045-99-1

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

Identified uses : Feed for animals

- **Details of the supplier of the safety data sheet**

Company : Pangoo Biotech Hebei Co., Ltd.  
Telephone : 0086-317-8585021  
Fax : 0086-317-3171801

- **Emergency telephone number**

Emergency Phone : 0086-317-8585021

## Section 2: Hazards Identification

- **Classification of the substance or mixture**

Not a hazardous substance or mixture.

- **GHS Label elements, including precautionary statements**

Not a hazardous substance or mixture.

- **Hazards not otherwise classified (HNOC) or not covered by GHS – none**

## Section 3 : Composition/Information On Ingredients

- **Substances**

High quality golden silk jujube is the main raw material. The feed jujube powder contains the essential vitamin P (also known as rutin), which is 3385 mg per 100 g of jujube powder. Energy  $\geq$  1228, sugar, protein, ascorbic acid, calories, calcium, phosphorus, rich in 18 kinds of amino acids, vitamins and minerals necessary for living organisms, also rich in CAMP and CGMP, with a variety of health functions.

- **CAS:** 90045-99-1

- **EINECS:** 289-965-9

## Section 4 : First-Aid Measures

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- **Description of first aid measures**

- **General advice**

- Consult a physician. Show this safety data sheet to the doctor in attendance.

- **If inhaled**

- If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

- **In case of skin contact**

- Wash off with soap and plenty of water. Consult a physician.

- **In case of eye contact**

- Flush eyes with water as a precaution.

- **If swallowed**

- Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

- **Most important symptoms and effects, both acute and delayed**

- The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

- **Indication of any immediate medical attention and special treatment needed**

- No data available

## Section 5 : Fire-fighting Measures

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- **Extinguishing media**

- **Suitable extinguishing media**

- Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

- **Special hazards arising from the substance or mixture**

- Carbon oxides, Nitrogen oxides (NO<sub>x</sub>), Hydrogen chloride gas

- **Advice for firefighters**

- Wear self-contained breathing apparatus for fire fighting if necessary.

- **Further information**

- No data available

## Section 6 : Accidental Release Measures

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- **Personal precautions, protective equipment and emergency procedures**

- Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Avoid breathing dust.

- For personal protection see section 8.

- **Environmental precautions**

- Do not let product enter drains.

- **Methods and materials for containment and cleaning up**

- Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

## Section 7 : Handling And Storage

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- **Precautions for safe handling**

Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.

Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

- **Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place.

Hygroscopic. Store under inert gas.

Storage class (TRGS 510): Non Combustible Solids

- **Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## Section 8 : Exposure Controls/Personal Protection

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- **Control Parameters**

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

- **Exposure Controls**

**Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Personal protective equipment**

**Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Full contact**

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

**Splash contact**

Material: Nitrile rubber Minimum layer thickness: 0.11 mm

Break through time: 480 min

**Body Protection**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory Protection**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Control of environmental exposure**

Do not let product enter drains.

### **Section 9 : Physical and Chemical Properties**

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#### **• Information on basic physical and chemical properties**

Appearance	Yellow or light yellow powder
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Water solubility	No data available
Partition coefficient: n- octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

### **Section 10 : Stability and Reactivity**

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#### **• Reactivity**

No data available

#### **• Chemical stability**

Stable under recommended storage conditions.

#### **• Possibility of hazardous reactions**

No data available

#### **• Conditions to avoid**

No data available

- **Incompatible materials**

Strong oxidizing agents, Strong acids, Strong bases

- **Hazardous decomposition products**

Other decomposition products – No data available

## Section 11 : Toxicological Information

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- **Information on toxicological effects**

**Acute toxicity**

LD50 Oral – Rat – 3,500 mg/kg Inhalation: No data available Dermal: No data available

No data available

**Skin corrosion/irritation**

Skin – Rabbit

Result: No skin irritation – 20 h

**Serious eye damage/eye irritation**

Eyes – Rabbit

Result: No eye irritation

**Respiratory or skin sensitisation**

No data available

**Germ cell mutagenicity**

Ames test

**Salmonella typhimurium**

Result: negative

**Carcinogenicity**

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.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**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

**Additional Information**

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

investigated.

## Section 12 : Ecological Information

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- **Toxicity**

Toxicity to fish	static test LC50 - Leuciscus idus (Golden orfe) - > 10,000 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates	static test EC50 - Daphnia magna (Water flea) - 500 mg/l - 48 h
Toxicity to algae	static test EC50 - Desmodesmus subspicatus (Scenedesmus subspicatus) - >500 mg/l - 72 h
Toxicity to bacteria	EC50 - Pseudomonas putida - 132.8 mg/l - 17 h(DIN 38 412 Part 8)

- **Persistence and degradability**

Biodegradability                      Aerobic - Exposure time 5 d

- **Result:**

75 % – Readily biodegradable

- **Bioaccumulative potential**

No data available

- **Mobility in soil**

No data available

- **Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

- **Other adverse effects**

No data available

## Section 13 : Disposal Considerations

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- **Waste treatment methods**

- **Product**

- Offer surplus and non-recyclable solutions to a licensed disposal company.

- **Contaminated packaging**

- Dispose of as unused product.

## Section 14 : Transport Information

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- **DOT (US)**

- Not dangerous goods

- **IMDG**

- Not dangerous goods

- **IATA**

- Not dangerous goods

## Section 15 : Regulatory Information

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- **SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

- **SARA 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De minimise) reporting levels established by SARA Title III, Section 313.

- **SARA 311/312 Hazards**

No SARA Hazards

- **Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

- **California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## Section 16 : Other Information

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- "IMO" : not dangerous for sea transport

### Disclaimer

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Additional references can be taken from the label or the product description. The information given here is correct to the best of our knowledge at the time of writing this sheet. No responsibility can be taken for improper use or handling of the product.