

MATERIAL SAFETY DATA SHEET – Papaya Enzyme

1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY INFORMATION

Product Name: Papaya Enzyme (Papain)
Supplier: Chanjao Longevity Co., Ltd. 375 Pattanakarn Road, Bangkok 10250 Thailand
Emergency Phone No.: +662-002-7-002
Fax No.: +662-001-7-022

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Composition%
Papain	9001-73-4	40-70
Dextrose	50-99-7	30-60

Hazard Symbols: Not listed
Risk Phrases: Not listed

3. HAZARD IDENTIFICATION

The toxicological properties of this material have not been fully investigated.

Potential Health Effects

Eye: May causes eye irritation.
Skin: May cause skin irritation. May be harmful if absorbed through the skin.
Ingestion: May cause irritation of the digestive tract. May be harmful if swallowed.
Inhalation: May cause respiratory tract irritation. May be harmful if inhaled.
Chronic: Not available.

4. FIRST AID MEASURES

Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
Skin Contact: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.
Inhalation: Remove from exposure and move to fresh air immediately.
Ingestion: Get medical aid. Wash mouth out with water.
Notes to Physician: Treat symptomatically and supportively.

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5. FIRE FIGHTING MEASURES

General Information:

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

Extinguishing Media:

Use water spray, dry chemical, carbon dioxide, or chemical foam.

6. ACCIDENTAL RELEASE MEASURES

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container.

7. HANDLING AND STORAGE

Handling:

Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

Storage:

Store in a tightly closed container. Store in a dry area. Keep in refrigerated temperature (4-8 C).

Avoid Sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Control:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Personal Protection:

Eyes: Wear chemical goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear a chemical apron.

Respirators: A NIOSH/MSHA approved air purifying dust or mist respirator or European Standard EN 149.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Powder, Solid
Color:	White / Light beige
Odor:	Papaya-like.
pH:	Not available
Vapor Pressure:	Not available.
Viscosity:	Not available.
Boiling Point:	Not available.

10. STABILITY AND REACTIVITY

Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Heat, ignition sources, light, air, incompatible materials, dust generation.

Incompatibilities:

Oxidizing Agents.

Hazardous Decomposition Products:

Not Available.

Polymerization:

Will not occur.

11. TOXICOLOGICAL INFORMATION

Route of Entry:

Inhalation, Ingestion

LD50/LC50:

Acute >4,000 mg / kg (Rat, Mouse).

Chronic Effects on Humans:

Not available.

12. ECOLOGICAL INFORMATION

Product is biodegradable.

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13. DISPOSAL CONSIDERATION

Waste from Residue/Unused Products:

Dispose of in a manner consistent with federal, state, and local regulations.

14. TRANSPORT REGULATIONS

IATA No information available.
IMO No information available.
RID/ADR No information available.

15. REGULATORY INFORMATION

Classification according to European directive on classification of hazardous preparations 90/492/EEC

Hazard Symbol(s): Not available.
Risk Phrase(s): Not available.
Safety Phrase(s): S 24/25 Avoid contact with skin and eyes.

16. OTHER INFORMATION

The information provided in this material safety data sheet is correct to the best of our knowledge. No warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Chanjao Longevity assumed no responsibility for any personal injury or property damage caused by the materials. Users assume all risks associated with the use of the materials.
