



Safety Data Sheet

According to regulation : ISO 11014-1

Version 1.0 Revision Date : 08.05.25

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Section 1 : Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product name PAPAIN ENZYME

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

Identified uses Personal Care.

1.3 Details of the supplier of the safety data sheet

Company Treasure Actives
6, 311rd, 3rd Avenue, Gowon Estate, Egbeda, Lagos, Nigeria.
Telephone +234 814 654 9958
Website: www.treasureactives.com
Email: info@treasureactives.com

1.4 Emergency telephone

Emergency phone 1-800-424-9300 (Chemtrec)

Section 2 : Hazards Identification

2.1 Classification of the substance or mixture

Skin corrosion/irritation, (Category 2) H315: Causes skin irritation.
Serious eye damage/eye irritation, (Category 2A) H319: Causes serious eye irritation.
Specific target organ toxicity,(Category 3) H335: May cause respiratory irritation.
Sensitization, respiratory,(Category 1, 1A, 1B) H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Danger:



Hazard Statements

H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary Statements

P233 Keep container tightly closed.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P264 Wash hands [and ...] thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...
P301+P317 IF SWALLOWED: Get medical help.
P302+P352 IF ON SKIN: wash with plenty of water/...
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

2.3 Other Hazards

This substance contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Section 3 : Composition/information on ingredients

3.1 Mixture

PAPAIN ENZYME

Component

Papain

CAS: 9001-73-4

EC: 232-627-2

Classifications (Individual)

Skin Irrit. 2

Eye Irrit. 2

STOT SE 3

Resp. Sens. 1

Concentration (Individual)

100%

No components need to be disclosed according to the applicable regulations.

Section 4 : First aid measures

4.1 Description of first aid measures

General advice

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

In case of inhalation

After inhalation: fresh air.

In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/shower.

In case of eye contact

After eye contact: rinse out with plenty of water. Remove contact lenses.

In case of ingestion

After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.

4.2 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.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

Section 5 : Firefighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Water, Foam, Carbon dioxide (CO₂), Dry powder.

Un-suitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Carbon oxides

Combustible

Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

5.4 Further Information

Prevent fire extinguishing water from contaminating surface water or the ground water system.

Section 6 : Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

For non-emergency personnel

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4 Reference to other sections

See Section 13 for information on disposal.

Section 7 : Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

For precautions see section 2.2.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the working day. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for Storage

Tightly closed. Dry.

7.3 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

8.1 Control Parameters

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Individual protection measures, such as personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards . We suggest that routine unprotected and long-term contact with these products should be avoided and that suitable gloves should be worn during use.

Body protection

Handle in accordance with good industrial hygiene and safety practice.

Hygiene measures

When using do not eat or drink.

When using do not smoke.

Wash hands before breaks and at the end of workday.

Wash contaminated clothing before re-use.

Environmental exposure controls

Do not allow product to enter drains.

Section 9 : Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Off-white/beige powder.

Colour

Not available.

Odour

Not available.

Odour threshold

Not available.

pH

Not available.

Melting point/range (°C)

Not available.

Boiling point/range (°C)

Not available.

Flash point (°C)

Not available.

Evaporation rate

Not available.

Flammability (solid, gas)

Not available.

Upper/lower explosive limits

Lower: Not available.

Upper: Not available.

Vapour pressure (25°C)

Not available.

Vapour density

Not available.

Relative Density (25°C)

Not available.

Density

Not available.

Water Solubility

Not available.

Partition coefficient

Not available.

Auto-ignition temperature

Not available.

Decomposition temperature

Not available.

Viscosity, dynamic (mPa.s)

Viscosity, kinematic: Not available.

Viscosity, dynamic: Not available.

Explosive properties

Not available.

Oxidising properties

Not available.

9.2 Other information

Burning Rate

Not available.

Section 10 : Stability and reactivity

10.1 Reactivity

The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

10.3 Possibility of hazardous reactions

Violent reactions possible with:

- 10.4** Strong oxidising agents
Conditions to avoid
No data available.
- 10.5** **Incompatible materials**
Strong oxidising agent.
- 10.6** **Hazardous decomposition products**
In the event of fire: see section 5.

Section 11 : Toxicological information

11.1 Information on toxicological effects

Acute Toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/Irritation	Skin - Human Result: No skin irritation
Serious eye damage/irritation	Eyes - Rabbit Result: Irritating to eyes.
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available.
Reproductive toxicity	No data available.
STOT- single exposure	No data available.
STOT-repeated exposure	No data available.
Aspiration hazard	No data available.

11.2 Additional Information

Classification according to GHS (1272/2008/EC, CLP)
Acute toxicity
Harmful if swallowed. Harmful if inhaled.

Section 12 : Ecological information

12.1 Toxicity

Toxicity to Fish	Based on available data the classification criteria are not met.
Toxicity to daphnia and other aquatic invertebrates	Based on available data the classification criteria are not met.
Toxicity to algae	Based on available data the classification criteria are not met.
Toxicity to bacteria	Based on available data the classification criteria are not met.

12.2 Persistence and degradability

Biodegradability	No data available
Biochemical Oxygen Demand	No data available
Chemical Oxygen Demand	No data available

12.3 Bioaccumulative potential

Bioaccumulation	No data available.
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12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Very toxic to aquatic life with long lasting effects.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment..

12.7 Other Adverse effects

No data available.

Section 13 : Disposal considerations

13.1 Waste treatment method

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

13.2 Product/Packaging disposal

If empty container retains product residues, all label precautions must be observed. Return for reuse or dispose according to national or local regulations.

Section 14 : Transport information

14.1 UN Number	ADR/RID: -	IMDG: -	IATA: -
14.2 UN Proper shipping name	ADR/RID Not dangerous goods		
	IMDG Not dangerous goods		
	IATA Not dangerous goods		
14.3 Transport hazard class(es)	ADR/RID: -	IMDG: -	IATA: -
14.4 Packaging Group	ADR/RID: -	IMDG: -	IATA: -
14.5 Environmental Hazards	ADR/RID: -	IMDG Marine pollutant: -	IATA: -
14.6 Special precautions for users	No data available		

Section 15 : Regulatory information

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

This safety datasheet complies with the requirements of 2012 OSHA Hazard Communication Standard (29 CFR 1910.122).

US state regulations

Not regulated.

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

US. Pennsylvania RTK - Hazardous Substances

Not regulated.

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out.

Section 16 : Other information

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End of Safety data sheet