

# SAFETY DATA SHEET

## MODIFIED STARCH

SDS No. SDS 030-7

### 1. PRODUCT AND SUPPLIER IDENTIFICATION

|                                                                                                                                                                                                                                                                                                                                                                                          |               |                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Ingredient                                                                                                                                                                                                                                                                                                                                                                               | CAS number    | Name and address of manufacturer:                                                                                                                  |
| See section 3                                                                                                                                                                                                                                                                                                                                                                            | See section 3 | VEDAN VIETNAM ENTERPRISE CORP., LTD                                                                                                                |
| EC number: N/A                                                                                                                                                                                                                                                                                                                                                                           |               | National Road 51, <u>Hamlet 1</u> , Phuoc Thai Village,                                                                                            |
| Common name of the substance: See section 3                                                                                                                                                                                                                                                                                                                                              |               | <u>Dong Nai City</u> , Vietnam                                                                                                                     |
| Trade name:                                                                                                                                                                                                                                                                                                                                                                              |               | Tel: (+84)251-3825111,                                                                                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                          |               | Fax: (+84)251-3825138                                                                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                          |               | Emergency phone number:(+84)1800.599.902                                                                                                           |
| Recommended use: Used for the food processing. The content and target audience comply with Circular No. 24/2019/TT-BYT dated 08/30/2019 issued by Ministry of Health on food additives management and use and Circular No. 17/2023/TT-BYT dated September 25, 2023 on amendments to and annulment of certain legislative documents on food safety promulgated by the Minister of Health. |               | Contact address in case of emergency:<br>VEDAN VIETNAM ENTERPRISE CORP., LTD<br>Tel: (+84)251-3825111,<br>Emergency phone number:(+84)1800.599.902 |

### 2. HAZARDS IDENTIFICATION

**a) GHS classification and information classified in accordance with available valid data provided by countries, areas or testing organizations**

The product is not classified as a dangerous substance according to Vietnamese law and European Union law.

**b) GHS label elements**

In Vietnam: Decree No. 37/2025/ND-CP dated January 23, 2026 of the The Government elaborating certain articles and measures for organizing and guiding the implementation of the Law on Products and Goods Quality;

For export: Labeling contents are according to legal regulations of importing countries.

**Precautionary statements:**

Products which are unlikely to cause unsafety, in conditions of transport, storage and preservation, for proper use and for the right purpose, without causing harm to humans, animals, plants, property and the environment.

**Storage instructions:**

See section 7.

**Instructions for use:**

Used for the food processing.

The content and target audience comply with Circular No. 24/2019/TT-BYT dated 08/30/2019 issued by Ministry of Health on food additives management and use and Circular No. 17/2023/TT-BYT dated September 25, 2023 on amendments to and annulment of certain legislative documents on food safety promulgated by the Minister of Health.

**c) Other hazards**

No data available

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Common name of the substance                            | Ingredient                                   | CAS number | Content (% by weight) |
|---------------------------------------------------------|----------------------------------------------|------------|-----------------------|
| Oxidized starch (INS 1404)                              | Oxidized starch                              | 65996-62-5 | 100%                  |
| Distarch phosphat (INS 1412)                            | Distarch phosphate                           | 55963-33-2 | 100%                  |
| Distarch phosphat acetylal (INS 1414)                   | Distarch phosphate acetylate                 | 68130-14-3 | 100%                  |
| Starch acetate (INS 1420)                               | Starch acetate                               | 9045-28-7  | 100%                  |
| Starch acetate esterified with vinyl acetate (INS 1421) | Starch acetate esterified with vinyl acetate | 9045-28-7  | 100%                  |
| Acetylated distarch adipate (INS 1422)                  | Acetylated distarch adipate                  | 63798-35-6 | 100%                  |
| Starch sodium octenyl succinate (INS 1450)              | Starch sodium octenyl succinate              | 66829-29-6 | 100%                  |
| Acetylated oxydized starch (INS 1451)                   | Acetylated oxydized starch                   | 68187-08-6 | 100%                  |
| Phosphated Distarch Phosphate (INS 1413)                | Phosphated Distarch Phosphate                | 11120-02-8 | 100%                  |
| Bleached Starch (INS 1403)                              | Bleached Starch                              | 9005-84-9  | 100%                  |

**4. FIRST-AID MEASURES**

**a) Measures relevant to the route of exposure**

- Accident in case of eye exposure (splashed, touched on the eyes): Rinse out with water. If the level of injury is serious, immediately take to an eye specialist.
- Accident in case of skin exposure (touched on skin): Wash off with water/shower.
- Accident in case of respiration exposure (breathing under form of vapor, gas): Fresh air.
- Accident in case of ingestion exposure (eating, drinking, swallowing): Consult doctor if feeling unwell.

**b) Most important symptoms/effects, acute and delayed**

No data available.

**c) Indication of immediate medical attention and special treatment needed**

No data available.

## 5. FIRE-FIGHTING MEASURES

**a) Suitable extinguishing media**

Using all available means for extinguishing a fire.

**b) Toxic substances emitted from fires**

Combustible. Danger of dust explosion. A fire may liberate hazardous vapours/gases.

**c) Special protective equipment and precautions for fire fighting.**

Suitable extinguishing media are stored in the immediate neighborhood. Do not stay in the danger zone without suitable protection clothing and self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

**a) Personal protective equipment and emergency procedures**

Personal protective equipment: See section 8.

Emergency procedures: Prevent from spreading or entering drains, ditches or rivers by using sand, soil, or other appropriate barriers. Inform the local authorities if the spill is not controlled. Avoid generation of dusts; do not inhale dusts.

**b) Environmental precautions**

Leakage can cause pollution. Precautions should be taken to prevent from spreading or entering drains.

**c) Methods and materials for containment and cleaning up**

Take up dry. Forward for disposal. Clean up affected area. Avoid generation of dusts.

## 7. HANDLING AND STORAGE

**a) Measures and requirements for safe handling** (e.g., ventilation, only using in closed systems, using explosion-proof electrical equipment, internal transport, etc.)

Need to equip personal protective according to item 8

**b) Measures and requirements for safe storage** (e.g., temperature, arrangement, limits to sources of

explosion and avoidance of storing some chemicals together, etc.).

- Handling: Keep At room temperature in a dry, cool place and covered.
- Storage: Stored in the sealed packaging. Do not close to flammable, explosive, toxic substances.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### a) Control parameters (e.g., occupational exposure limit values or biological limit values)

The product does not contain any substances that need to control limit values of occupational exposure.

### b) Appropriate engineering controls

Protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective equipment to product should be ascertained with the respective supplier.

### c) Individual protection measures and personal protective equipment

- Respiratory protection: Required when dusts are generated.
- Eyes/Face protection: Required when dusts are generated.
- Hand protection: Recommended.
- Hygiene measures: General industrial hygiene practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                                                                                                                   |                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| a) Physical state: Powder                                                                                                         | b) Boiling point (°C): Not applicable                                          |
| c) Color: White                                                                                                                   | d) Melting point (°C): Not applicable                                          |
| e) Particular odour : Odorless                                                                                                    | f) Flash point(°C) (Flash point) by determination method: Not applicable       |
| g) Vapor pressure (mm Hg) at standard temperature, pressure : No information                                                      | h) Self-ignition temperature (°C): Not applicable                              |
| i) Gas proportion (air = 1) at standard temperature, pressure: not applicable                                                     | k) Upper flammability/explosive limits(% of mixture with air): Not applicable  |
| l) Solubility in water: Insoluble in cold water (unless getting gelatinized first), forming a typical glue solution in hot water. | m) Lower flammability/explosive limits (% of mixture with air): Not applicable |
| n) pH: (20 % solution): 5.0-7.0                                                                                                   | o) Evaporation rate: Not applicable                                            |
| p) Relative density (kg/m <sup>3</sup> ): No information                                                                          | k) Other property if any: No information                                       |

## 10. PRODUCT STABILITY AND REACTIVITY

### a) Possibility of reactions

Reacts with strong oxidizing agents.

### b) Stability (heat resistance, sensitivity to the effects of friction, shock, etc.)

Stable under recommended conditions of use and preservation.

**c) Dangerous reactions** (corrosion, fire, explosion...)

No hazardous reactions under normal conditions of use and storage.

**d) Conditions to avoid** (Ex: electrostatic, vibration, shaking ...)

Strong heating (decomposition).

**e) Incompatible materials**

No information

**f) Decomposition reaction and products of the decomposition reaction**

No information

## 11. TOXICOLOGICAL INFORMATION

**a) Information about the likely routes of exposure**

- Accident in case of eyes exposure: No information.
- Accident in case of skin exposure: Slight irritations.
- Accident in case of inhalation exposure: Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions.
- Accident in case of ingestion exposure: The product is not considered a hazard when swallowed with not too much quantity.

**b) Symptoms related to product, toxicological and ecotoxicological characteristics**

No information.

**c) Immediate, delayed and chronic effects from short-term and long-term exposure**

No toxic effects are to be expected when the product is handled appropriately.

**d) Numerical measures of toxicity (acute toxicity estimates)**

No information

## 12. ECOLOGICAL INFORMATION

**a) Ecotoxicity (aquatic and terrestrial):** No information.

**b) Persistence and degradability:** Readily biodegradable.

**c) Bioaccumulative potential:** No information.

**d) Mobility in soil:** No information.

**e) Other adverse effects:** No information.

## 13. DISPOSAL CONSIDERATIONS

- Product: Observe local and national environmental regulations on disposal.

- Packaging: Disposal of the packaging as applied to the product.

#### 14. TRANSPORT INFORMATION

- The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
- Transportation must be dry, clean, having roof covering and non strange smelt can affect to food quality.

#### 15. REGULATORY INFORMATION

##### Shall comply with:

- 05/2007/QH12 Law on Product and Goods Quality;
- 78/2025/QH15 Law on amendments to the law on product and goods quality;
- 55/2010/QH12 Law on Food Safety;
- Product quality must comply with QCVN 4-18: 2011/BYT National technical regulation on food additives – Starch Product;
- Decree No. 37/2026/ND-CP dated January 23, 2026 of the The Government elaborating certain articles and measures for organizing and guiding the implementation of the Law on Products and Goods Quality;
- Other relevant legal documents;
- OSHA Hazards: No known OSHA hazards;
- California Prop. 65 Components: No chemicals known to the State of California to cause cancer, birth defects, or other reproductive defects are used in the manufacture of this product.

#### 16. OTHER INFORMATION

**Date of compiling slip:** 29/11/2017

**Latest date of modification, addition:** 15/07/2026

**Name of compiling organization or individual:** VEDAN VIETNAM ENTERPRISE CORP., LTD

##### Note for reader:

The information contained in this Safety Data Sheet is correct to our best knowledge. It characterizes the product with regard to the appropriate safety precautions. However, it does not represent a guarantee of the properties of the product. Noticeably, the condition of use can be variable and may not be valid for using in combination with any other material on in any process out of the text.