

# SAFETY DATA SHEET

## DANLIAN ORGANIC FERTILIZER

**SDS No. 046-1**

### 1. PRODUCT AND SUPPLIER IDENTIFICATION

Ingredient: See section 3	Name and address of manufacturer:
CAS number: See section 3	VEDAN VIETNAM ENTERPRISE CORP., LTD.
EC number: N/A	National Road 51, Hamlet 1A, Phuoc Thai village, Long Thanh District, Dong Nai Province, Vietnam
Common name of the substance: DANLIAN ORGANIC FERTILIZER	Tel: (+84)251-3825111, Fax: (+84)251-3825138
Trade name: DANLIAN ORGANIC FERTILIZER	Emergency phone number: (+84)1800.599.902
Recommended use: Used as a fertilizer for crops.	Contact address in case of emergency: VEDAN VIETNAM ENTERPRISE CORP., LTD. Tel: (+84)251-3825111, 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

According to Vietnamese legislation: This product possibly cause harm to humans, animals, plants, property and the environment in transport, storage and preservation condition, for appropriate and right using purpose.

#### b) GHS label elements

In Vietnam: Labeling contents are under the guidance of Decree 43/2017 / ND-CP and Decree No. 111/2021/NĐ-CP amendments to some articles of government's Decree No 43/2017/ND-CP dated april 14, 2017 on goods labels; Circular 32/2017 / TT-BCT specifying and guiding the implementation of some articles of chemical law and decree 113/2017 / ND-CP dated October 9, 2017 of the Government detailing and guiding the implementation of some articles of chemical law.

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

#### **Precautionary statements:**

- Keep out of reach of children. Wear personal protective equipment when applying the fertilizer.
- Do not apply directly to plants; must be diluted before use.
- Not for use as food. Avoid contact with eyes, and rinse thoroughly with water if exposed.
- Use up after dilution.

**Instructions for use:**

- Use as fertilizer for fruit trees, industrial crops, leafy vegetables, root and tuber vegetables, and staple crops.
- Wear personal protective equipment when applying the fertilizer.

**Storage instructions:** See section 7.

**c) Other hazards:**

No data available

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Common name of the substance	Ingredient	CAS number	Chemical formula
DANLIAN ORGANIC FERTILIZER	L-Glutamate production residue meal	N/A	N/A
	Phosphoric acid	7664-38-2	H <sub>3</sub> PO <sub>4</sub>
	Potassium hydroxide	1310-58-3	KOH
	Urea	57-13-6	CO(NH <sub>2</sub> ) <sub>2</sub>
	Water	7732-18-5	H <sub>2</sub> O
	Ammonia	7664-41-7	NH <sub>3</sub>

**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 plenty of water with the eyelid held wide open. Immediately take to 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): Under normal conditions for use, product is not considered a hazard when inhaled.
- Accident in case of ingestion exposure (eating, drinking, swallowing): Consult doctor if feel 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**

Use of firefighting equipment must be appropriate with adjacent materials.

### **b) Toxic substances emitted from fires**

It is non-flammable.

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

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.

### **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.

## **7. HANDLING AND STORAGE**

### **a) Measures and requirements for safe handling**

Need to equip personal protective according to item 8.

### **b) Measures and requirements for safe storage**

Store the product in a dry, cool, and well-ventilated place, away from moisture and direct sunlight. Do not dilute for storage. Keep the container tightly closed when not in use.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **a) Control parameters**

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**

- Wear a mask.
- Wear goggles or face shield if there is a risk of splashing.
- Wear waterproof gloves.
- General industrial hygiene practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**a) Physical state:** Liquid.

**b) Boiling point (°C):** No information.

**c) Color:** Dark brown.

**d) Melting point (°C):** Liquid product.

**e) Particular odour:** Characteristic of the product.

**f) Flash point(°C) by determination method:** No information.

**g) Vapor pressure (mm Hg) at standard temperature, pressure:** No information.

**h) Self-ignition temperature (°C):** No information.

**i) Gas proportion (air = 1) at standard temperature, pressure:** No information.

**k) Upper flammability/explosive limits (% of mixture with air):** No information.

**l) Solubility in water:** No information.

**m) Lower flammability/explosive limits (% of mixture with air):** No information.

**n) pH:**  $\geq 5.5$

**o) Evaporation rate:** No information.

**p) Relative density (kg/m<sup>3</sup>):** 1.15

**q) Other properties (if any):** No information.

**10. PRODUCT STABILITY AND REACTIVITY**

**a) Possibility of reactions**

Reacts with strong oxidizing agents.

**b) Stability**

Stable under recommended conditions of use and preservation.

**c) Dangerous reactions**

No hazardous reactions under normal conditions of use and storage.

**d) Conditions to avoid**

No hazardous reactions under normal conditions of use and storage.

**d) Incompatible materials**

No information

**e) 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: No information.
- Accident in case of inhalation exposure: Under normal conditions for use, this product is not considered a hazard when inhaled.
- Accident in case of ingestion exposure: No information.

**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 information.

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

No information.

**12. ECOLOGICAL INFORMATION**

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

**b) Persistence and degradability:** No information.

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

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

**d) 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).

- Product is transported by clean, dry means.

## 15. REGULATORY INFORMATION

### Shall comply with:

- Law on Product and Goods Quality No. 05/2007/QH12.
- Crop Production Law 31/2018/QH14.
- National technical regulation on fertilizer quality- QCVN 01 -189:2019/BNNPTNT
- Decree 84/2019/NĐ-CP On Fertilizer Management.
- Decree 43/2017/ND-CP dated april 14, 2017 on goods labels and Decree No. 111/2021/NĐ-CP amendments to some articles of government's Decree No 43/2017/ND-CP dated april 14, 2017 on goods labels; Circular 32/2017 / TT-BCT specifying and guiding the implementation of some articles of chemical law and decree 113/2017 / ND-CP dated October 9, 2017 of the Government detailing and guiding the implementation of some articles of chemical law.
- Other relevant legal documents.

## 16. OTHER INFORMATION

Date of compiling slip (yyyy/mm/dd): 2024/09/20

Latest date of modification, addition:

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

### Note for reader:

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.