

SAFETY DATA SHEET
VMBOOST LIQUID (STERILIZED)

SDS No. 050-2

1. PRODUCT AND SUPPLIER IDENTIFICATION		
Ingredient	CAS number	Name and address of manufacturer: VEDAN VIETNAM ENTERPRISE CORP., LTD. National Road 51, Hamlet 1A, Phuoc Thai village, Dong Nai Province, Vietnam Tel: (+84)251-3825111, Fax: (+84)251-3825138 Emergency phone number: (+84)1800.599.902
See section 3	N/A	
EC number: N/A		
Common name of the substance: VMBOOST LIQUID (STERILIZED)		
Trade name: VMBOOST LIQUID (STERILIZED)		
Recommended use: Used as 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

Not classified as a hazardous substance.

b) GHS label elements: Not available

c) Other hazards: No data available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common name of the substance	Ingredient	CAS number	Chemical formula
VMBOOST LIQUID (STERILIZED)	L-Glutamate production residue meal	Not available	Not available

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 may cause harm if not used properly. However, if the affected person experiences difficulty breathing, immediately move the person to an area with fresh air.
- 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

Liquid form; not flammable.

6. ACCIDENTAL RELEASE MEASURES

Spill Incident:

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 (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.).

- Store the product in cool place. If it is stored in a container, do not cover tightly, avoiding increased air pressure in the container.
- Store in tanks, drums, barrels, cans, covered holes and other materials suitable as per customer requirements.

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

Use appropriate personal protective equipment (PPE) such as gloves, safety goggles, and masks when handling the product. Always check protective equipment carefully before use.

c) Individual protection measures and personal protective equipment

- Respiratory protection: Recommend to use gas mask or medical mask..
- Eyes/Face protection: Wear goggles or face shield if there is a risk of splashing.
- Hand protection: Recommend to use gloves.
- Hygiene measures: 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): N/A (Liquid product)
- đ) Particular odour: Characteristic of the product.
- e) Flash point(°C) by determination method: Not capable of spontaneous combustion.
- g) Vapor pressure (mm Hg) at standard temperature, pressure : No information
- h) Self-ignition temperature (°C): Not capable of spontaneous combustion.
- i) Gas proportion (air = 1) at standard temperature, pressure: 1.1
- k) Upper flammability/explosive limits(% of mixture with air): Not available.
- l) Solubility in water: No information.
- m) Lower flammability/explosive limits (% of mixture with air): Not available.
- n) pH: ≥ 3.8
- o) Evaporation rate: No information.
- p) Relative density (kg/m³): 1.250 ± 0.15 .
- k) Other property if any: No information.

10. PRODUCT STABILITY AND REACTIVITY

a) Possibility of reactions

No information.

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 ...)

No hazardous reactions under normal conditions of use and storage.

đ) 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/NĐ-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/NĐ-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/NĐ-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: 30/09/2025

Latest date of modification, addition: 07/04/2026

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.