SAFETY DATA SHEET
LIQUID ANIMAL AND AQUATIC FEED

VEDAFEED LIQUID, CMS + 55, CMS + 64, CMS + 73, CMS + 82, CMS + 91, VEDAFEED-SP

SDS No. 010-7

1. PRODUCT AND SUPPLIER IDENTIFICATION

<table>
<tr><td>Ingredient</td><td>CAS number</td><td rowspan="5">Name and address of manufacturer:
VEDAN (VIETNAM) ENTERPRISE CORPORATION LIMITED

National Road 51, Hamlet 1A, Phuoc Thai village, Long Thanh District, Dong Nai Province, Vietnam
Tel: (+84)251-3825111,
Fax: (+84)251-3825138

Emergency phone number: (+84)1800.599.902</td></tr>
<tr><td>See section 3</td><td>N/A</td></tr>
<tr><td colspan="2">EC number: N/A</td></tr>
<tr><td colspan="2">Common name of the substance: See section 3</td></tr>
<tr><td colspan="2">Trade name: N/A</td></tr>
<tr><td colspan="2">Recommended use:
Mix into animal and aquatic feed.</td><td>Contact address in case of emergency:
VEDAN (VIETNAM) ENTERPRISE CORPORATION LIMITED
Tel: (+84)251-3825111,
Emergency phone number:(+84)1800.599.902</td></tr>
</table>

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:

Should rinse with water and change contaminated clothing after contact with the skin. If product gets in the eyes when using, it is recommended to use clean water to wash eyes gently.

Storage instructions:

See section 7.

Instructions for use:

Product	User manual
Ingredient, traditional animal feed provides protein for animal feed (Vedafeed Liquid)	Mix into feed according to the following ratio: - Pigs, chickens, ducks: 1% - 3% - Cows: 2% - 4% - Others: 2% - 5%
Liquid material for aquaculture feed (L – glutamate production residue meal) Vedafeed Condensed Molasses Fermentation Solubles – CMS	Mix into aquatic food according to the following ratio: - Catfish: 3.0% - 4.0%. - Tilapia: 2.0% - 4.0%. - Shutchi catfish: 2.0% - 3.0%.
Animal feed protein supplement for livestock-Vedafeed Condensed Molasses Fermentation CMS+55 CMS+64 CMS+73 CMS+82 CMS+91	Mix into feed according to the following ratio: - Pigs, chickens, ducks: 1% - 3% - Cows: 2% - 4% - Others: 3% - 5%
Material for aquaculture feed - Vedafeed Condensed Molasses Fermentation Solubles: CMS+55 CMS+64 CMS+73 CMS+82 CMS+91	Mix into aquatic food according to the following ratio: - Catfish: 3,0% - 4,0%. - Tilapia: 2,0% - 4,0%. - Shutchi catfish: 2,0% - 3,0%.
Animal feed protein supplement for livestock (Vedafeed-SP)	Mix into feed according to the following ratio: - Pigs, chickens, ducks: 1,0% - 3,0% - Cows: 2,0% - 4,0% - Others: 3,0% - 5,0%

c) Other hazards:

No data available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common name of the substance	Ingredient
Ingredient, traditional animal feed provides protein for animal feed (Vedafeed Liquid)	L-Glutamate production residue meal (GA-CMS)

	Liquid material for aquaculture feed (L – glutamate production residue meal) Vedafeed Condensed Molasses Fermentation Solubles – CMS	L-Glutamate production residue meal (GA-CMS)	
	Animal feed protein supplement for livestock- Vedafeed Condensed Molasses Fermentation: CMS+55 CMS+64 CMS+73 CMS+82 CMS+91	L-Glutamate production residue meal (GA-CMS)	
		Molasses	
	Animal feed protein supplement for livestock- Vedafeed Condensed Molasses Fermentation: CMS+55 CMS+64 CMS+73 CMS+82 CMS+91	L-Glutamate production residue meal (GA-CMS)	
		Molasses	
	Animal feed protein supplement for livestock (Vedafeed-SP)	Vedafeed Condensed Molasses Fermentation Solubles: CMS+73	
		Feed Sweetener T500H	

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.

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.

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 in a cool dry place with cover.

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: Recommend to use.
- Eyes/Face protection: Wear goggles or face shield if there is a risk of splashing.
- Hand protection: Recommend to use.
- Hygiene measures: General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

a) Physical state: Liquid	b) Boiling point (^{o}C): No information.
c) Color: Dark Brown	d) Melting point (^{o}C): Liquid product
đ) Particular odour: Characteristic of the product.	e) Flash point(^{o}C): (Flash point) by determination method: No information.

g) Vapor pressure (mm Hg) at standard temperature, pressure : No information.	h) Self-ignition temperature (^oC): 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: No information	o) Evaporation rate: No information.
p) Relative density (kg/m^3): 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 ...)

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.

đ) 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.
- Law on animal husbandry No. 32/2018/QH14
- Decree No. 13/2020/NĐ-CP guidelines for some articles of the Law on animal husbandry and Decree No. 46/2022/NĐ-CP "Decree amendments to some articles of the government's Decree No. 13/2020/NĐ-CP date January 21,2020 on Elaboration of the Law on animal husbandry"
- Circular No. 21/2019/TT-BNNPTNT Elaborating to a number of articles of law on animal husbandry regarding animal feed.
- Law on fisheries No. 18/2017/QH14.
- QCVN 01 – 190: 2020/BNNPTNT National technical regulation Animal feed and ingredients in aquaculture feed - Maximum level of undesirable substances and amendments 1:2021 QCVN 01-190:2020/BNNPTNT
- Circular No. 01/2022/TT-BNNPTNT Circular amendments to circulars in aquaculture.
- Decree No. 26/2019/ND-CP “Guidelines for implementation of the law on fisheries”.
- Circular No. 26/2018/TT-BNNPTNT “Prescribing management of aquatic breeds, aquatic feeds and aqua environmental remediation products”.
- 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.

- Circular No. 31/2022/TT-BNNPTNT Amendments to some articles of the circular No. 21/2019/TT-BNNPTNT dated November 28, 2019 of the Minister of Agriculture and Rural Development elaborating to a number of Articles of Law on Animal husbandry regarding animal feed.
- Other relevant legal documents.

16. OTHER INFORMATION

Date of compiling slip: 11/06/2007

Latest date of modification, addition: 19/04/2023

Name of compiling organization or individual: VEDAN (VIETNAM) ENTERPRISE CORPORATION LIMITED

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.