

# MATERIAL SAFETY DATA SHEET

COMPOSITION: Multi-Vitamins 13 Vitamins with L-Lysine and DL-Methionine and Lactose as carrier

MANUFACTURER: **VETPHARM LABORATORIES (S) PTE LTD**

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PRODUCT NAME: **MEGAVIT W.S. Powder (Vitamins and Amino Acids for Poultry and Cattle Use) H.S. Code 2309.90.12**

DATE: 8th August 2023

## SECTION 1- HAZARDOUS INGREDIENTS

None

## SECTION 2 – PHYSICAL / CHEMICAL CHARACTERISTICS

SOLUBILITY IN WATER: Readily Soluble

APPEARANCE AND ODOR: Free flowing yellowish powder with characteristic odour of vitamins and amino acids (especially that of Lysine)

## SECTION 3 – FIRE AND EXPLOSION HAZARD DATA

Stable

EXTINGUISHING MEDIA: Water, Dry chemical, Carbon Dioxide

UNUSUAL FIRE AND EXPLOSION HAZARDS: Nonflammable, non-explosive.

## SECTION 4 – REACTIVITY DATA

Stable.

THERMAL DECOMPOSITION PRODUCTS: Carbon Dioxide, Carbon Monoxide.

HAZARDOUS POLYMERIZATION: Will not occur.

## SECTION 5 – HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION: Yes; SKIN: Yes; INJECTION: Yes

CARCINOGENICITY: NTP: No; IARC: No; OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: Possible eye irritation and skin irritation

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush with plenty of water for at least 15 minutes. Consult with medical professionals if necessary

SKIN: Wash the contact skin with soap and water.

INGESTION: Wash mouth with clean water and then drink at least 3-4 glasses of water. Consult medical professionals if necessary.

INHALATION: Blow nose, gaggle with water and relocate to clean air area. Consult medical professional if necessary.

### **SECTION 6 – PRECAUTIONS FOR SALE HANDLING AND USE**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Sweep up and

Place in suitable container preferably in aluminum foil.

WASTE DISPOSAL METHOD: Dilute with water and flush down drain. Disposal must be made in accordance local regulations.

PRECAUTION TO BE TAKEN IN HANDLING AND STORING: Wearing of the usual protective gloves and clothing. Store in a cool and dry area.

WORK/HYGIENIC PRACTICES: Wash hands thoroughly after handling.

While the information and recommendations set forth herein are believed to be accurate as of the hereof, Vetpharm Lab (S) Pte Ltd makes no warranty with respect thereto and disclaims all liabilities from reliance thereon.

### **SECTION 7 – TRANSPORTATION INFORMATION**

Packaging: Packed in double strong inner plastic liners with sealing and further packed in outer strong and compact corrugated cartons. Product is shrink-wrapped on pallets.

Freight Classification: Not classified as hazardous

### **SECTION 8 - Exposure Controls/Personal Protection**

- **Eye Protection:** Safety glasses or goggles.
- **Skin Protection:** PVC gloves with impervious boots, apron or overalls. Employees should wash their hands and face before eating, drinking or using tobacco products.
- **Respirator:** Work ambient concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved dust respirator must be worn.



- **Ventilation:** Use local ventilation if dusting is a problem, to maintain air levels below the recommended exposure limit.
- **Additional Protective Measures:** Emergency showers and eye wash stations should be available. Educate and train employees in the safe use and handling of hazardous chemicals.

### SECTION 9 - Physical and Chemical Properties

- **Physical Form:** Free flowing powder
- **Color:** Yellowish, bright
- **Odor:** Typical Mineral and vitamin odor
- **Boiling Point:** Not Established
- **Melting/Freezing Point:** Not Established
- **Solubility In Water:** Insoluble
- **Specific Gravity:** Not Established

### SECTION 10 - Stability and Reactivity

- **Stability:** Stable
- **Hazardous Polymerization:** Will Not occur
- **Incompatibilities:** Strong Oxidizing Agents, Strong Acids, May Discolor On Exposure To Light.
- **Instable Conditions:** Excessive temperatures (see Incompatibilities).
- **Decomposition Temperature:** Not Established
- **Decomposition products:** Toxic fumes of Carbon monoxide and dioxide.

### SECTION 11. Toxicological Information

- **Routes of Exposure:** Eye contact. Ingestion. Inhalation. Skin contact.
- **Toxicity Data:** Orl-Rat LD50:>5000 mg/kg Basically non toxic
- **Chronic Toxic Effects:** This product has no known chronic effects. Repeated or prolong exposure to this compound is not known to aggravate medical conditions.
- **Acute Toxic Effects:** May be Irritating to the skin and eyes on contact. Inhalation will cause irritation to the lungs and mucus membrane. Irritation to the eyes will cause watering and redness. Reddening, scaling, and itching are characteristics of skin inflammation. Follow safe industrial hygiene practices and always wear protective equipment when handling this compound.



## SECTION 12 - Ecological Information

### *Eco-toxicity:*

- Not available at this time.

## SECTION 13 - Disposal Considerations

- **Waste Disposal Method:** Waste disposal should be in accordance with existing federal, state and local environmental regulations.

## SECTION 14 - Regulatory Information

- **OSHA Status:** This product is Non-hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.
- **TSCA Chemical Inventory:** None listed
- **California Proposition 65:** To the best of our knowledge, this product contains no levels of listed substances, which the Singapore Government Health Sciences Authority, National Environmental Agency, Singapore Food Agency has found to cause cancer, birth defects or other reproductive effects.

Vetpharm Laboratories (S) Pte Ltd

8<sup>th</sup> August 2023

