

## SAFETY DATA SHEET



## SECTION 1. IDENTIFICATION

**1.1 Name of the product** Nerthus Vigore

**1.2 Other identification means** Non-existent

**1.3 Recommended use of the product** Organic fertilizer

**1.4 Supplier's information**

Company: Neptunus Biotech Ltd  
Greenheys building unit 51, Manchester Science Park,  
United Kingdom M156JJ

e-mail: info@neptunusbiotech.com

Telephone number: 01 (844) 488 5211 / 488 2627

**1.5 Emergency Telephone number** 800-718-4350

## SECTION 2. HAZARDS IDENTIFICATION

**2.1 Classification of the product**

Health Hazard.

**2.2 Label elements**

**Signal word:** WARNING

- Causes eye irritation (Category 2B)
- Toxic for aquatic organisms (Category 3)

**2.2.1 Hazard statements**

**H320:** Causes eye irritation.

**H402:** Toxic for aquatic organisms

**2.2.3 Precautionary statement(s)**

**P270:** Do not eat, smoke or drink while using the product

**P301+P330+P331:** IF INGESTED: Call Poison Control Center or seek medical attention

**P305+P351:** In case of eye irritation rinse with water carefully.

**P411:** Store at temperatures not exceeding 30°C

**2.3 Hazards not otherwise classified**

None

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance mixture

Components	CAS	%	No. UN	LMPE-PT, LMPE-CT, LMPE-P
Aminoacids	NA	6.0-8.5 %	NA	NA
Potassium sulfate	7778-80-5	2.51-2.76 %	NA	NA

## SECTION 4. FIRST AID MEASURES

**4.1 General recommendations.** Get medical attention immediately. Show this safety data Sheet to the physician on duty.

**4.2 Eye contact.** Remove contact lenses and rinse thoroughly with water for at least 15 minutes. Get medical attention immediately

**4.3 Skin contact.** Immediately remove contaminated clothing and shoes. Wash off with soap and plenty of water. Discard contaminated clothing and shoes or wash before reuse. Get medical attention if discomfort persist.

**4.4 Ingestion.** Get medical attention immediately or call the poison control center. Rinse mouth. DO NOT INDUCE VOMITING. If vomiting occurs naturally, lie the affected person on their side

**4.5 Inhalation.** If fumes have been inhaled in the event of a fire, move the person to fresh air. Get medical attention immediately or call the poison control center. If breathing has stopped, perform artificial respiration

## SECTION 5. FIRE-FIGHTING MEASURES

**5.1 Fire extinguishing methods**

Sprayed water	Foam	CO <sub>2</sub>	Chemical powder	Others
X	X	X	X	X

**5.2 Specific hazards arising from the substance or mixture**

During combustion, containers may release toxic gases such as carbon monoxide, carbon dioxide, ammonia, phosphorus oxide.

**5.3 Recommendations for personnel in charge of firefighting**

Ensure that firefighting equipment is in good working order and that it is located at strategic points that are easily accesible in the production plant

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment, and emergency procedures**

Wear safety glasses and gloves  
Personal protective equipment  
Ensure adequate ventilation

**6.2 Environmental precautions**

Do not allow the product to enter the sewage system

**6.3 Methods and materials for containment and cleaning up**

- Minor spill or leak: absorb with compatible non-combustible absorbent material (clay, sand, etc.), then wash down the area with soap and water
- Mayor spill or leak: collect and place the product in recovery containers for subsequent disposal at authorized facilities in accordance with local Regulations

## SECTION 7. HANDLING AND STORAGE

**7.1 Precautions to ensure safe handling**

Avoid direct contact with eyes and skin

**7.2 Conditions for safe storage**

- Always store in the original container, tightly closed and labeled
- Store in a cool, dry, well-ventilated area at 25-30° C, away from heat and sources of ignition

## SECTION 8. EXPOSURE CONTROL/PERSONEL PROTECTION

## 8.1 Control parameters

NA

## 8.2 Appropriate technical controls

Handle with appropriate precautions and follow safety practices. Wash your hands before breaks and after the end of the workday

## 8.3 Individual Protection equipment

Eye/face protection. Wear close-fitting protective goggles.

Skin protection. Handle with impermeable gloves (butyl rubber). Dispose of contaminated gloves after their use accordingly to applicable local Regulations. Wash and dry hands

Body protection. Butyl rubber overalls/boots if there is a risk of spill or leakage

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Green liquid
Odor	Characteristic
Odor threshold	No data available
pH at 1 %	7.13 ± 0.05
Melting point	Not applicable
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability	No data available
Lower/upper flammable explosive limit	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	1.10 ± 0.02 g/mL
Solubility	Water soluble
Partition coefficient-n-octanol/water	No data available
Spontaneous ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Molecular weight	Not applicable
Viscosity at 15 °C	No data available

## SECTION 10. STABILITY AND REACTIVITY

## 10.1 Reactivity

No data available

## 10.2 Chemical stability

Stable under recommended storage conditions

## 10.3 Possibility of hazardous reactions

No data available

## 10.4 Conditions to avoid

Prolonged exposure to direct sunlight or heat (>98°F) or sources of ignition, static energy

## 10.5 Incompatible materials

Incompatible with strong oxidants

## 10.6 Hazardous decomposition products

See section 5.2

## SECTION 11. TOXICOLOGICAL INFORMATION

## 11.1 Acute toxicity

Oral for rat DL <sub>50</sub> :	7,371.51 mg/kg
Inhalation for rat CL <sub>50</sub> :	110.29 mg/L of air 4 h
Derma for rat DL <sub>50</sub> :	39,568.16 mg/kg

## 11.2 Additional information

No data available.

## SECTION 12. ECOTOXICOLOGICAL INFORMATION

## 12.1 Toxicity

Fish CL <sub>50</sub> :	46.79 mg/L 96 h
Algae CER <sub>50</sub> :	180.22 mg/L 72 h
Invertebrates EC <sub>50</sub> :	27.46 mg/L 48 h

## 12.2 Persistence and degradability

The product is biodegradable

## 12.3 Bioaccumulation

No data available

## 12.4 Ground mobility

No data available.

## 12.5 Other adverse effects

No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

Avoid contamination of water supplies; cover drinking fountains when applying near areas where livestock or domestic animals are kept

Wash empty containers three times before destroying them, and add the rinses to the application tank; the dispose of empty containers in accordance with the regulations of the general law on ecological balance and Environmental Protection regarding hazardous waste.

## SECTION 14 . TRANSPORT INFORMATION

14.1 UN number	Non-hazardous merchandise
14.2 Official transport designation UN	Non-hazardous merchandise
14.3 IMO danger class	Non-hazardous merchandise
14.4 Packaging group	Non-hazardous merchandise

Before loading the vehicle, you must check for splinters or nails that could damage the packaging material and ensure the vehicle is covered to avoid contact with rain or direct sunlight. This must comply with the Regulations for the land, sea, and air transportation of hazardous materials and waste

## SECTION 15. REGULATORY INFORMATION

## Components SARA 302

This product does not contain chemical components subject to the reporting requirements of SARA Title III, section 302.

**Components SARA 313**

This product does not contain any chemical components with known CAS numbers that exceed the threshold levels (De Minimis) established by SARA title III, section 313

**Components SARA 311/312**

Acute health Hazard, Environmental Hazard.

**SECTION 16. OTHER INFORMATION**

The information is considered accurate, but is not exhaustive and is intended to be used solely as a guideline. It is based on current knowledge of the chemical or mixture and is applicable to the appropriate safety precautions for the product

All information and data presented in this safety data Sheet are accurate and reliable. However, it is the user's responsibility to determine the safety, toxicity, and appropriateness of the product described. Since use by third parties is beyond our control, no express or implied warranty is made. The use assumes all risks and responsibilities.