

# MATERIAL SAFETY DATA SHEET

| Section 1. Identification of the Product     |                                 |                             |  |
|--|---------------------------------|-----------------------------|--|
| <b>Product Name or Identity:</b>             | ViV Pseudomonas Medium, ViV-125 |                             |  |
| <b>Manufacturer's Name:</b>                  | Neogen Corporation              | <b>Emergency Phone No.:</b> | 517/372-9200   |
|  | 620 Lesher Place                | <b>Fax No.:</b>             | 517/372-0108   |
|  | Lansing, MI 48912               | <b>e-mail:</b>              | <a href="mailto:neogen-info@neogen.com">neogen-info@neogen.com</a> |
| <b>Date Prepared or Revised:</b> August 2007 |                                 |                             |  |

| Section 2. Composition / Information on Ingredient  |           |    |           |                  |
|---|-----------|----|-----------|------------------|
| Hazardous Components<br>Specific Chemical Identity: | CAS-No.   | %  | EG-Number | Hazard<br>Symbol |
| Potassium Sulfate                                   | 7778-80-5 | 1% | 231-915-5 | Xi (Irritant)    |
|   |           |    |           |                  |

| Section 3. Health Hazard Identification   |   |                    |                |
|---|---|--------------------|----------------|
| <b>Route(s) of Entry:</b>   | Inhalation? N/A   | Skin? N/A          | Ingestion? N/A |
| <b>Health Hazards:</b><br><i>(Acute and Chronic)</i>  | Irritant. Irritating to eyes, respiratory system, and skin. |                    |                |
| <b>Carcinogenicity:</b>   | IARC Monographs? No   | OSHA Regulated? No |                |
| <b>Signs and Symptoms of Exposure:</b> May cause irritation if absorbed through the skin. Material may be irritating to mucous membranes and upper respiratory tract. Maybe harmful if swallowed. |   |                    |                |
| <b>Medical Conditions Generally Aggravated by Exposure:</b> Gastrointestinal disturbances can occur if ingested.  |   |                    |                |

| Section 4. First Aid Measures            |  |
|--|--|
| <b>Emergency / First Aid Procedures:</b> | Ingestion: If swallowed, rinse mouth with water provided person is conscious and seek medical attention.   |
|  | Inhalation: Supply fresh air and oxygen. If breathing is difficult, seek medical attention.  |
|  | Eye Contact: Rinse opened eye for at least 15 minutes with plenty of water. Ensure adequate flushing by separating the eyelids with fingers. Seek medical attention. |
|  | Skin Contact: Wash thoroughly with soap and water. Seek medical attention if irritation develops.  |

| Section 5. Fire and Explosion Hazard Data   |                              |
|---|------------------------------|
| <b>Flash Point</b> (Method Used): N/A   | <b>Flammable Limits:</b> N/A |
| <b>Safety Phrases:</b> N/A  |                              |
| <b>Extinguishing Media:</b> Suitable extinguishing agents. CO <sub>2</sub> , extinguishing powder, or water spray. Water may be effective for cooling, but may not effect extinguishment.   |                              |
| <b>Special Fire Fighting Procedures:</b> Fight larger fires with water or alcohol resistant foam. Firefighters should wear protective equipment and self-contained breathing apparatus.   |                              |
| <b>Unusual Fire and Explosion Hazards:</b> During heating or in case of fire, poisonous gases are produced. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source, is a potential dust explosion hazard. |                              |

### Section 6. Accidental Release Measures

**Personal Precautions:** Shut off all sources of ignition. Wear respirator, chemical safety goggles, rubber boots, and rubber gloves. Absorb material, ventilate area, and wash spill site after material has been cleaned up. Prevent direct contact with skin, eyes, or clothing. Place contaminated material in a chemical waste container.

**Environmental Precautions:** Prevent dispersion of material. Do not allow to enter drains or water courses. Water runoff can cause environmental damage.

**Clean-up Methods:** Contact safety officer and ventilate spill area. Absorb spill with inert material, including dry-lime, sand, or soda ash, then place into a chemical waste container using non-sparking tools. Wash spill site.

### Section 7. Handling and Storage

**Handling:** Protect against physical damage. Ensure good ventilation / exhaustion. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Do not use if skin is cut or scratched.

**Storage:** Keep container tightly closed. Keep away from incompatible material. Storage area should be cool, dry, and well ventilated. Containers of this material may be hazardous when empty since they retain product residues.

**Other Precautions:** Remove contaminated clothing immediately. Ensure good ventilation. Prevent formation of dust.

### Section 8. Exposure Controls / Personal Protection

**OES:** N/A

**ACGIH TLV:** N/A

**Engineering Measures:** Respiratory protection is not required. Where protection from nuisance levels of dust is desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Proper ventilation, safety shower, and eye bath required.

**Respiratory Protection (Specify Type):** With sufficient ventilation, breathing apparatus is not necessary. In the event of possible spill / exposure, use dust mask to EN 149 FFP2S.

|                     |                                    |   |
|---------------------|------------------------------------|---|
| <b>Ventilation:</b> | <b>Local Exhaust:</b> 50 – 100 CFM | <b>Special:</b> Safety shower and eye wash. |
|---------------------|------------------------------------|---|

|  |                                       |
|--|---------------------------------------|
| <b>Protective Gloves:</b> Compatible chemical-resistant gloves | <b>Eye Protection:</b> Safety goggles |
|--|---------------------------------------|

**Other Protective Clothing or Equipment:** Uniform, lab coat, or disposable lab wear.

**Work / Hygienic Practices:** Follow the usual precautionary measure for handling chemicals / powder. Keep away from food and beverages. Immediately remove all soiled and contaminated clothing. Avoid contact with eyes, skin, and clothing.

### Section 9. Physical and Chemical Properties

**Boiling Point:** 1689°C

**Specific Gravity (H<sub>2</sub>O = 1):** 2.66 g/cm<sup>3</sup>

**Vapor Pressure (mm Hg.):** N/A

**Melting Point:** 1069°C

**Vapor Density (AIR = 1):** N/A

**Evaporation Rate (Butyl Acetate = 1):** N/A

**Solubility in Water:** Soluble

**Appearance and Odor:** Odorless, solid white or colorless granules / powder.

### Section 10. Stability and Reactivity

|                   |          |   |   |
|-------------------|----------|---|---|
| <b>Stability:</b> | Unstable |   | Conditions to Avoid: Stable under normal temperatures and pressure. |
|                   | Stable   | X |   |

**Incompatibility (Materials to Avoid):** Incompatible with strong oxidizing agents.

**Hazardous Decomposition or Byproducts:** Oxides of sulfur and potassium.

|                                  |                |   |  |
|----------------------------------|----------------|---|--|
| <b>Hazardous Polymerization:</b> | May Occur      |   | Conditions to Avoid: Incompatible materials. |
|                                  | Will Not Occur | X |  |

**Section 11. Toxicological Information**

LD<sub>50</sub>: ORL-RAT, 6600 mg/kg

**Section 12. Ecological Information**

**Ecotoxicity Tests:** Do not allow to reach sewage system.

**Section 13. Disposal Information**

**Waste Disposal Method:** Dispose in accordance with all applicable federal, state, and local environmental regulations. Keep waste separate. Contact a licensed professional waste disposal service to dispose of this material if questions arise. Do not allow to reach ground water, water bodies, or sewage system.

**Container Information:** Do not remove labels from containers until they have been cleaned.

**Section 14. Transport Information**

UN # -\*-

Class: --

Packing Group: --

Hazard Class: --

IATA: Non-Hazardous for Air Transport

\*Potassium Sulfate is not regulated for transportation.

**Section 15. Regulatory Information****EU Regulations****Hazard Symbols:**

**Potassium Sulfate:** Xi (Irritant)

**Risk Phrases:**

**Potassium Sulfate:** R 36 / 38, Irritating to eyes and skin.

**Safety Phrases:**

**Potassium Sulfate:** S 24 / 25 / 26, Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Section 16. Other Information**

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Neogen Corporation shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.