

Material Safety Data Sheet

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Section 1-Product Information

Product name	VIP, human, ovine, porcine, rat
Product Cat. No.	RP10085

Section 2-Composition / Information on Ingredients

Substance/Preparation:	Substance
Ingredient Name	VIP, human, ovine, porcine, rat
CAS No.	40077-57-4
SARA 313	No
Formula	C ₁₄₇ H ₂₃₈ N ₄₄ O ₄₂ S

Section 3- Hazards Identification

Emergency Overview

Caution

The chemical, physical, and toxicological properties of this product have not been thoroughly investigated. Exercise due care.

HMIS Rating

Health 0*

Flammability 0

Reactivity 0

NFPA Rating

Health 0*

Flammability 0

Reactivity 0

*additional chronic hazards present

For additional information on toxicity, please refer to Section 11.

Section 4- First Aid Measures

Oral Exposure	If swallowed, wash out mouth with water provided person is conscious. Call a physician.
Inhalation Exposure	If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
Dermal Exposure	In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.
Eye Exposure	In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5- Fire Fighting Measures

Flash Point	Not available
Autoignition Temp	Not available
Flammability	Not available
Extinguishing Media	Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.
Suitable	Carbon dioxide, dry chemical powder, or appropriate foam. Water spray
Fire Fighting Protective Equipment	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6- Accidental Release Measures

Procedure(s) of Personal Precaution(s)	Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves
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Methods for Cleaning up Sweep up, place in a bag and hold for waste disposal.
Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7-Handling and Storage

Handling
User Exposure Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage
Suitable
Storage at -20°C Keep tightly closed

Section 8-Exposure Controls/Personal Protection Equipment

Engineering Controls Safety shower and eye bath. Mechanical exhaust required.

Personal Protective equipment
Respiratory Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) respirator.

Hand: Protective gloves
Eye: Chemical safety goggles.
General Hygiene Measures Wash thoroughly after handling.

Section 9- Physical and Chemical Properties

Appearance
Physical State White powder

Property
Molecular Weight 3325.8 AMU
pH Not available
BP/BP Range Not available
MP/MP Range Not available
Freezing Point Not available
Vapor Pressure Not available
Vapor Density Not available
Saturated Vapor Conc. Not available
SG/Density Not available
Bulk Density Not available
Odor Threshold Not available
Volatile% Not available
VOC Content Not available
Water Content Not available
Solvent Content Not available
Evaporation Rate Not available
Viscosity Not available
Surface Tension Not available
Partition Coefficient Not available
Decomposition Temp. Not available
Flash Point Not available
Explosion Limits Not available
Flammability Not available
Autoignition Temp Not available
Refractive Index Not available
Optical Rotation Not available
Miscellaneous Data Not available
Solubility Solubility in water: clear, colorless 1 mg/ml H₂O

Section 10- Stability and Reactivity

Stability
Stable Stable
Materials to Avoid: Trypsin, chymotrypsin, pepsin.
Hazardous Decomposition Products

Hazardous Decomposition Products	Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulfur oxides.
Hazardous Polymerization	
Hazardous Polymerization	Will not occur

Section 11- Toxicological Information

Route of Exposure	
Skin Contact	May cause skin irritation.
Skin Absorption	May be harmful if absorbed through the skin.
Eye Contact:	May cause eye irritation.
Inhalation	May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.
Ingestion	May be harmful if swallowed
Target Organ(S) Or System(S)	Vascular system. Smooth muscle. Nerves

Section 12- Ecological Information

No data available.

Section 13- Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation	Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.
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Section 14- Transport Information

DOT	
Proper Shipping Name	None
Non-Hazardous for Transport	This substance is considered to be non-hazardous for transport.
IATA	
Non-Hazardous for Air Transport	Non-hazardous for air transport

Section 15- Regulatory Information

US Classification and Label Text	
US Statements	Target organ(s): Nerves. Smooth muscle.
United States Regulatory information	
SARA Listed	No
Canada Regulatory information	
WHMIS Classification	This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
DSL	No
NDSL	No

Section 16- Other Information

GenScript corporation MSDS is believed to be correct but only used as a guide for experienced personnel, GenScript shall not be held liable for any damage resulting from the handling or from contact with the above product.