



**MATERIAL SAFETY DATA SHEET**  
**VSV-G PEPTIDE \* 50 MG**

Processing date 29.10.2004

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Printing date 30.11.2004  
According to 91/155/EEC

**1 - Product and Company Information**

Product Name VSV-G PEPTIDE  
Product Number  
Company Dalian Bio Integration Technology, Inc.  
26 Gaoneng Street, Room 401,  
Dalian High-tech Zone,  
Dalian, LN 116025, China  
Tel: +0086-411-84799609  
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**2 - Composition/Information on Ingredients**

Product Name VSV-G TAG PEPTIDE  
CAS # None  
EC No None  
Annex I Index Number None  
Ingredient Name PEPTIDE  
CAS # None  
EC No None  
Annex I Index Number None

TRIFLUOROACETIC ACID 76-05-1 200-929-3 607-091-00-1

Symbols: C

R-Phrases: 20 35 52/53

Harmful by inhalation. Causes severe burns. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Formula  $C_{57}H_{94}N_{16}O_{19}S$   
Molecular Weight 1,339.5 AMU

**3 - Hazards Identification**

SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT

Not hazardous according to Directive 67/548/EC.

**4 - First Aid Measures**

AFTER INHALATION

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

AFTER SKIN CONTACT

In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.



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**AFTER EYE CONTACT**

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.

**AFTER INGESTION**

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

**5 - Fire Fighting Measures**

**EXTINGUISHING MEDIA**

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

**SPECIAL RISKS**

Specific Hazard(s): Emits toxic fumes under fire conditions.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**6 - Accidental Release Measures**

**PERSONAL PRECAUTION PROCEDURES TO BE FOLLOWED IN CASE OF LEAK OR SPILL** Evacuate area.

**PROCEDURE(S) OF PERSONAL PRECAUTION(S)**

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

**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.

**7 - Handling and Storage**

**HANDLING**

Directions for Safe Handling: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

**STORAGE**

Conditions of Storage: Keep tightly closed.  
Store at -20°C

**SPECIAL REQUIREMENTS**

Handle and store under inert gas. Light sensitive.



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**8 - Exposure Controls / Personal Protection**

**ENGINEERING CONTROLS**

Mechanical exhaust required.

**GENERAL HYGIENE MEASURES**

Wash thoroughly after handling.

**PERSONAL PROTECTIVE EQUIPMENT**

Special Protective Measures: Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.

**9 - Physical and Chemical Properties**

Appearance	Physical State: Solid	
Property	Value	At Temperature or Pressure
pH	N/A	
BP/BP Range	N/A	
MP/MP Range	N/A	
Flash Point	N/A	
Flammability	N/A	
Autoignition Temp	N/A	
Oxidizing Properties	N/A	
Explosive Properties	N/A	
Explosion Limits	N/A	
Vapor Pressure	N/A	
SG/Density	N/A	
Partition Coefficient	N/A	
Viscosity	N/A	
Vapor Density	N/A	
Saturated Vapor Conc.	N/A	
Evaporation Rate	N/A	
Bulk Density	N/A	
Decomposition Temp.	N/A	
Solvent Content	N/A	
Water Content	N/A	
Surface Tension	N/A	
Conductivity	N/A	
Miscellaneous Data	N/A	



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Solubility N/A

**10 - Stability and Reactivity**

STABILITY

Stable: Stable.

Conditions of Instability: May decompose on exposure to light.

Materials to Avoid: Strong acids, Strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulfur oxides.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

**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.

CONDITIONS AGGRAVATED BY EXPOSURE

The toxicological properties have not been thoroughly investigated.

**12 - Ecological Information**

No data available.

**13 - Disposal Considerations**

SUBSTANCE DISPOSAL

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.

**14 - Transport Information**

RID/ADR

Non-hazardous for road transport.



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**IMDG**

Non-hazardous for sea transport.

**IATA**

Non-hazardous for air transport.

**15 - Regulatory Information**

Not hazardous according to Directive 67/548/EC.

**16 - Other Information**

**WARRANTY**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Dalian BIT Co., Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product. Copyright 2004 Dalian BIT Co., Ltd. License granted to make unlimited paper copies for internal use only.

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