

## MATERIAL SAFETY DATA SHEET

Date Revised: July 21, 2006

### PRODUCT AND COMPANY INFORMATION

**Product Name:** Sulforhodamine 101- $\alpha$ -bungarotoxin  
**Catalog Number:** 00015/00016  
**Unit Size:** 500ug/50ug  
**Manufacturer/Supplier:** Biotium, Inc.  
3423 Investment Blvd. Suite 8. Hayward, CA 94545, USA  
Phone: 1-510-265-1027, Fax: 1-510-265-1352  
Web: <http://www.biotium.com>

### COMPOSITION AND INFORMATION ON INGREDIENTS

**Molecular Formula:** Not applicable  
**Molecular Weight:**  $\approx$  8600  
**CAS Number/Name:** Not applicable

### HAZARDS IDENTIFICATION

**Emergency Overview:** May enter the body through inhalation, ingestion, and eye or skin contact. Handle with care—substance has not been fully tested.

### POTENTIAL HEALTH EFFECTS

**Inhalation:** Not determined  
**Ingestions:** Not determined  
**Skin:** Not determined  
**Eyes:** Not determined  
**Chronic Exposures:** Not determined  
**Target Organs:** Not determined

### FIRST AID MEASURES

Potentially harmful; avoid prolonged or repeated exposure. Wash hands thoroughly after handling. If eye or skin contact occurs, wash affected areas with water for 15 minutes and seek medical advice. If inhaled, move individual to fresh air and seek medical advice. If swallowed, seek medical advice.

### FIRE FIGHTING MEASURES

Use carbon dioxide, dry chemical extinguishers, foam extinguishers or water. An approved self-contained breathing apparatus and protective clothing are recommended.

### ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment and methods to clean up spilled substance promptly. Absorb spill onto an appropriate material. Collect and dispose of all waste in accordance with applicable laws.

### HANDLING AND STORAGE

Freezer storage recommended (-20°C). Desiccation recommended. Protect from long-term light exposure.

### EXPOSURE CONTROLS AND PERSONAL PROTECTION

Gloves, protective clothing and eyewear should be worn and safe laboratory practices followed.

**ACGIH/OSHA Permissible Exposure Limit Data:** Not determined

### PHYSICAL AND CHEMICAL PROPERTIES

**Form:** Blue solid

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<http://www.biotium.com/>

**Odor:** Not determined  
**Solubility in Water:** Highly  
**Specific Gravity:** Not determined  
**pH:** Not determined  
**Boiling Point:** Not determined  
**Melting Point:** Not determined  
**Flash Point:** Not determined  
**Vapor Pressure:** Not determined

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## STABILITY AND REACTIVITY

**Thermal Decomposition:** No decomposition if used according to specifications  
**Dangerous Reactions:** No dangerous reactions identified  
**Dangerous Products of Decomposition:** No dangerous decomposition products identified

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## TOXICOLOGICAL INFORMATION

**RTECS Number:** None known  
**Toxicity:** We do not know of any toxicity data for this product. However, this product is an  $\alpha$ -bungarotoxin derivative and as such is potentially toxic.  $\alpha$ -bungarotoxin has toxicity data: LD<sub>50</sub>: 300 µg/kg, intramuscular, mouse; LD<sub>50</sub>: 210 µg/kg, subcutaneous, mouse.  
**Health Hazards:** See Toxicity above.  
**Potential Hazards:** This product is an  $\alpha$ -bungarotoxin derivative and as such is potentially toxic.  
**Carcinogenicity:** Not listed by NTP, IARC or OSHA.

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## ECOLOGICAL INFORMATION

Do not allow product to reach ground water, water course or sewage system.

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## DISPOSAL CONSIDERATIONS

Consult local, state or national regulations for proper disposal.

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## TRANSPORT INFORMATION

**Hazards Class:** Toxic  
**Identification Number:** UN2811  
**Packing Group:** II  
**Proper Shipping Name (Technical Name):** Toxic solid, organic, n.o.s., (bungarotoxin). 6.1

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## REGULATIONS

**US Toxic Substances Control Act (TSCA):** Not listed  
**US Other:** Not applicable  
**EEC EINECS Number:** Not identified  
**EEC Risk Statements:** None identified  
**Other Country Regulations:** None identified

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## OTHER INFORMATION

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**Disclaimer:** The information provided above is believed to be correct to our best knowledge, but does not purport to be all inclusive, and shall be used only as a guide. This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. Biotium shall not be held liable for any damage resulting from handling or contact with the above product.