

MATERIAL SAFETY DATA SHEET

Date Revised: March 7, 2008

PRODUCT AND COMPANY INFORMATION

Product Name: BCIP-Red
Catalog Number: 10004
Unit Size: 100 mg
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: $C_8H_6BrClNO_4P \cdot C_7H_9N$
Molecular Weight: 433.6
CAS Number/Name: [6769-80-8]

HAZARDS IDENTIFICATION

Emergency Overview: 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

Store at -20°C. Avoid 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: White solid
Odor: Not determined

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Solubility in Water:	High
Specific Gravity:	Not determined
pH:	Not determined
Boiling Point:	Not determined
Melting Point:	Not determined
Flash Point:	Not determined
Vapor Pressure:	Not determined

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

TOXICOLOGICAL INFORMATION

RTECS Number:	None known
Toxicity:	We are not aware of any toxicity data for this product
Health Hazards:	We are not aware of any health hazards
Potential Hazards:	We are not aware of any potential hazards
Carcinogenicity:	Not listed by NTP, IARC or OSHA

ECOLOGICAL INFORMATION

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

DISPOSAL CONSIDERATIONS

Consult local, state or national regulations for proper disposal.

TRANSPORT INFORMATION

Hazards Class:	Not determined
Identification Number:	Not determined
Packing Group:	Not classified
Proper Shipping Name (Technical Name):	Not determined

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

OTHER INFORMATION

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.

MATERIAL SAFETY DATA SHEET

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PRODUCT AND COMPANY INFORMATION

Product Name: NBT (nitro blue tetrazolium, chloride)
Catalog Number: 10008
Unit Size: 100 mg
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: C₄₀H₃₀Cl₂N₁₀O₆
Molecular Weight: 817.7
CAS Number/Name: [298-83-9]

HAZARDS IDENTIFICATION

Emergency Overview: 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

Store desiccated at 4°C. Avoid 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: White solid

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

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

TOXICOLOGICAL INFORMATION

RTECS Number: XF8045000
Toxicity: We are not aware of any toxicity data for this product. See Health Hazards
Health Hazards: EPA Genetox Program 1988: Inconclusive: B subtilis rec assay.
Potential Hazards: We are not aware of any potential hazards
Carcinogenicity: Not listed by NTP, IARC or OSHA

ECOLOGICAL INFORMATION

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

DISPOSAL CONSIDERATIONS

Consult local, state or national regulations for proper disposal.

TRANSPORT INFORMATION

Hazards Class: Not determined
Identification Number: Not determined
Packing Group: Not classified
Proper Shipping Name (Technical Name): Not determined

REGULATIONS

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

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Biotium

Supplier of fluorescent and related biochemical reagents for life science research and drug discovery
Glowing Products for Science™

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