

MATERIAL SAFETY DATA SHEET

Date Revised: July 26, 2006

PRODUCT AND COMPANY INFORMATION

Product Name: DiR
(DiI_C₁₈(7) or 1,1'-dioctadecyl-3,3,3',3'-tetramethylindotricarbocyanine iodide)

Catalog Number: 125964

Unit Size: 25mg

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: C₆₃H₁₀₁IN₂

Molecular Weight: 1013.4

CAS Number/Name: Not applicable

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: Dark blue-green oily solid

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Odor:	Not determined
Solubility in Water:	Low
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.