

MATERIAL SAFETY DATA SHEET

Date Revised: 5/20/2009

1. PRODUCT AND COMPANY INFORMATION**Product Information:**

Catalog Number	Product Name	Unit Size
125676	XenoLight CF680, succinimidyl ester	1 umole
125677	XenoLight CF750, succinimidyl ester	1 umole
125678	XenoLight CF770, succinimidyl ester	1 umole

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>
Emergency Phone: 1-510-265-1027

2. COMPOSITION AND INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

CAS Number/Name: Not available

3. HAZARDS IDENTIFICATION

Emergency Overview: Handle with care—substance has not been fully tested.

POTENTIAL HEALTH EFFECTS

Inhalation: May cause irritation to respiratory tract
Ingestions: May be harmful if swallowed
Skin: May cause skin irritation
Eyes: May cause eye irritation
Chronic Exposures: Not available
Target Organs: Not available

HMIS

Health	0
Flammability	0
Reactivity	0

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 contact, immediately wash skin with soap and copious amounts of water.

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.

5. FIRE FIGHTING MEASURES

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

6. 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.

7. HANDLING AND STORAGE

Storage

Store in properly labeled containers. Avoid long-term light exposure

Handling

User exposure: Do not breathe vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Under no circumstances eat, drink, or smoke while handling this material. Wash hands and face thoroughly after working with material. Contaminated clothing should be removed and washed before re-use.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational exposure controls

Exposure limits

Engineering measures Ensure adequate ventilation, especially in confined areas

Personal protective equipment

Respiratory protection In case of insufficient ventilation wear suitable respiratory equipment

Hand protection Protective gloves

Eye protection Safety glasses with side-shields

Skin and body protection Lightweight protective clothing.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice

Environmental exposure Controls Prevent product from entering drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	solid
Odor:	Not available
Solubility in Water:	Not available
Specific Gravity:	Not available
pH:	Not available
Boiling Point:	Not available
Melting Point:	Not available
Flash Point:	Not available
Vapor Pressure:	Not available

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Principle Routes of Exposure/

Potential Health Effects

Inhalation:	May cause irritation to respiratory tract
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Specific effects

Carcinogenic effects	No information available
Mutagenic effects	No information available
Reproductive toxicity	No information available
Sensitization	No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity effects	No information available
Mobility	No information available
Biodegradation	Inherently biodegradable
Bioaccumulation	Does not bioaccumulate

Do not allow product to enter drinking water supplies, wastewater or soil. Adverse ecological effects cannot be excluded in the event of improper handling or disposal.

13. DISPOSAL CONSIDERATIONS

Consult local, state or national regulations for proper disposal

14. TRANSPORT INFORMATION

DOT

Hazards Class:	Not available
UN Number:	Not available
Packing Group:	Not classified
Proper Shipping Name (Technical Name):	Not classified as dangerous in the context of transport regulations

IATA

Hazards Class:	Not available
UN Number:	Not available
Packing Group:	Not classified
Proper Shipping Name (Technical Name):	Not classified as dangerous in the context of transport regulations
Hazardous for air Transport:	Non-Hazardous for air transport.

15. REGULATORY INFORMATION

US Federal Regulations

SARA Listed: Not regulated

US Toxic Substances Control Act (TSCA): Not listed

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs): This product does not contain HAPs.

U.S. State Regulations**California Proposition 65**

This product does not contain chemicals listed under Proposition 65

WHMIS hazard class: Non-controlled

EU Regulations

EEC EINECS Number: Not identified

EEC Risk Statements: None identified

EEC Safety Statements: None identified

Other Country Regulations: None identified

16. 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.