

3159 Corporate Place, Hayward, CA 94545 U.S.A. Tel: 1-510-265-1027; Fax: 1-510-265-1352 btinfo@biotium.com http://www.biotium.com/

# MATERIAL SAFETY DATA SHEET

Date Revised: April 17, 2013

# 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Caged Calcium (website name: DM-Nitrophen)
Catalog Number:	50050
Unit Size:	10mg
Manufacturer/Supplier:	Biotium, Inc.
	3159 Corporate Place, Hayward, CA 94545, USA
	Phone: 1-510-265-1027, Fax: 1-510-265-1352
	Web: http://www.biotium.com

# 2. HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No 1272/2008[CLP] None Classification according to Directive 1999/45/EC None

Labeling according to Regulation (EC) No 1272/2008[CLP] Hazard pictogram None Signal word None Hazard statements None Precautionary statements None

### **HMIS Classification**

Health hazard: 0 Flammability: 0 Physical hazards: 0 **NFPA Rating** Health hazard: 0 Fire: 0 Reactivity Hazard: 0

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS No.	EC No.	Index No.	Weight %	Classification according to 67/548/EEC	Classification according to regulation (EC)No1278/2008
Caged Calcium (website name: DM-Nitrophen)	-	-	-	≥90%	-	-

### 4. FIRST- AID MEASURES

### **General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.



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### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. In case of skin contact Wash off with soap and plenty of water. Consult a physician. In case of eye contact Flush eyes with water as a precaution. If swallowed Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water.

Consult a physician.

# 5. FIREFIGHTING MEASURES

### Suitable extinguishing media

Carbon dioxide, dry chemical extinguishers, foam extinguishers or water. **Special protective equipment for firefighters** Wear self contained breathing apparatus for firefighting if necessary.

### 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions**

Avoid breathing vapors, mist or gas. Remove all sources of ignition. **Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. **Methods and materials for containment and cleaning up** Contain spillage. Soak up spilled substance with inert absorbent material. Keep in suitable, closed containers for disposal.

# 7. HANDLING AND STORAGE

### Precautions for safe handling

Avoid inhalation of vapor or mist. Avoid direct contact with substance. **Conditions for safe storage** Keep container tightly closed in a dry and well-ventilated place. Store at -20°C. Avoid long-term light exposure

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

SubstanceCaged Calcium (website name: DM-Nitrophen)CAS no.NoneControl parameterNo information available



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# Personal protective equipment

# Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

### **Respiratory protection**

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### Eye protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Caged Calcium (website name: DM-
	Nitrophen)
Appearance	Light Yellow Solid
Odor	No information available
Odor threshold	No information available
рН	No information available
Melting point/freezing point	No information available
Boiling point	No information available
Flash point	No information available
Evaporate rate	No information available
Flammability	No information available
Explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Solubility	Soluble in water (pH<6) and DMSO
Partition coefficient:n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available
Explosive properties	No information available
Oxidising properties	No information available

### 10. STABILITY AND REACTIVITY

### **Chemical stability**

Stable under recommended storage conditions. **Possibility of hazardous reactions** 

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No data available **Conditions to avoid** Heat, flames and sparks. **Materials to avoid** No data available **Hazardous decomposition products** Hazardous decomposition products formed under fire conditions. - Carbon oxides Other decomposition products - no data available

# 11. TOXICOLOGICAL INFORMATION

Oral LD50       None         Inhalation LC50       None         Dermal LD50       None         Other information on acute toxicity       no data available         Skin corrosion/irritation       no data available         Serious eye damage/eye       irritation no data available         Germ coll mutagenicity       no data available         Germ cell mutagenicity       no data available         IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.         ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.         NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.         OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.         Reproductive toxicity       no data available         Specific target organ toxicity - single exposure (Globally Harmonized System)         no data available         Aspiration hazard         no data available         Potential health effects         Inhalation May be harmful if inhaled. May cause respiratory tract irritation.         Ingestion May be harmful if swallowed.
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Ingestion May be harmful if swallowed.
Skin May be harmful if absorbed through skin. May cause skin irritation.
Eyes May cause eye irritation. Additional Information
Additional Information RTECS: None

12. ECOLOGICAL INFORMATION

Toxicityno information availablePersistence and degradabilityno information available

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Biodegradationno information availableMobility in soilno information availableResults of PBT and vPvB assessmentno information availableOther adverse effectsno information availableAdditional informationno information available

# 13. DISPOSAL CONSIDERATIONS

Do not dispose product directly into sewage. Consult local state or national regulation for proper disposal.

### 14. TRANSPORT INFORMATION

IATA, IMDG, DOT(US)not dangerous good during transportationUN numbernoneUN proper shipping namenoneTransport hazard classnonePacking groupnoneEnvironmental hazardsnoneSpecial precaution for usernone

# 15. REGULATION INFORTMATION

### **US Federal Regulations**

US Toxic Substances Control Act(TSCA): Not listed SARA 302: No chemicals were found. SARA 313: No chemicals were found. SARA 311/312 Hazards: No chemicals were found.

# 16. OTHER INFORMATION

Classification according to Regulation (EC) Nr. 1272/2008

 Prepared by:
 Regulatory Department

 Biotium Inc.
 Biotium Inc.

 Version no.
 2

 Reason for revision
 Application of CLP labeling and corresponding requirements

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.