



7965 Silverton Ave. Suite 1309, San Diego,  
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# MATERIAL SAFETY DATA SHEET

Date Updated: 2009

## Section 1 - Products and Company information

Product Name: BcMag™ ; EcoMag™ surface-mofified or activated magnetic beads  
Company: Bioclone Inc  
Address: 7965 Silverton Ave. Suite 1309, San Diego, CA 92126  
Tel: 858-547-8349 Fax: 858-547-8314

## Section 2 - Composition/Information on Ingredient

Hazardous/Non-hazardous Components

### Hazardous/Non-hazardous Components

Chemical Name	Case Number	%
BcMag™ ; EcoMag™ surface-mofified magnetic beads	N/A	1-5
Distilled Water, conductivity or of similar purity	7732-18-5	10-60
Iron	7439-89-6	2-3
Silica	60676-86-0	1-2
sodium azide	26628-22-8	0 - 0.09

The product contains no substances which at their given concentration, are considered to be hazardous to health.

## Section 3 - Hazards Identification

HMIS RATING NFP A RATING  
HEALTH: 0 HEALTH: 0  
FLAMMABILITY: 0 FLAMMABILITY: 0  
REACTIVITY: 0 REACTIVITY: 0

## Section 4 - First Aid Measures

A. INGESTION  
If accidently swallowed, wash out mouth with copious of amounts of water. water and call a hysician.  
B. INHALATION  
If inhaled, remove from exposure to fresh air. If breathing becomes difficult, get medical aid.  
C. SKIN  
In case of contact, immediately flush skin with soap and copious amounts of water.  
D.EYE  
In case of contact with eyes, immediately flush with copious amounts of water for at least 15 minutes, occasionally liftinh the upper and lower eyelid. Get medical aid.

## Section 5 - Fire Fighting Measures

As in any fire, wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. EXTINGUISHING MEDIA  
Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

FLASH POINT: N/A  
AUTOIGNITION TEMP: N/A  
FLAMMABILITY: N/A

## Section 6 - Accidental Release Measures

Spills/leaks:  
Clean up spill immediately with inert material (e.g. vermiculite, earth or sand), place in a suitable container.

## Section 7 - Handling and Storage

HANDLING  
Avoid inhalation. Avoid contact with eyes, skin, and clothing.  
STORAGE  
Store at 40 C

## ENGINEERING CONTROLS

Facilities storing or utilizing this material should be equipped with safety shower and eye wash facility. Mechanical exhaust required.

## Section 8 - Exposure Controls, Personal Protection

PERSONAL PROTECTIVE EQUIPMENT  
Respiratory: Wear dust mask.  
Hand: Wear protective gloves.  
Eye: Wear appropriate chemical safety goggles or

## GENERAL HYGIENE MEASURES

Wash thoroughly after handling.

## Section 9 - Physical/Chemical Properties

Appearance: Brown  
Property Value At Temperature or Pressure  
Molecular Weight: N/A



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pH: N/A  
Bulk Density: N/A  
Odor Threshold: N/A  
Volatile%: N/A  
VOC Content: N/A  
Water Content: N/A  
Solvent Content: N/A  
Evaporation Rate: N/A  
Viscosity: N/A  
BP/BP Range: N/A  
MP/MP Range: N/A  
Freezing Point: N/A  
Vapor Pressure: N/A  
Vapor Density: N/A  
Saturated Vapor Conc: N/A  
SG/Density: N/A  
Surface Tension: N/A  
Partition Coefficient: N/A  
Decomposition Temp: N/A  
Autoignition Temp: N/A  
Refractive Index: N/A  
Optical Rotation: N/A  
Miscellaneous Data: N/A  
Solubility: N/A  
Flash Point: N/A  
Explosion Limits: N/A  
Flammability: N/A

N/A =data not available

## Section 10 - Stability and Reactivity

CHEMICAL STABILITY: Stable  
Condition to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS  
Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.

HAZARDOUS POLYMERIZATION  
Hazardous Polymerization has not been reported.

## Section 11 - Toxicological Information

Skin: If contacted, it may cause skin irritation.  
Eye: If contacted, It may cause eye irritation.  
Inhalation: If inhaled, it may be harmful.  
Material may be irritating to mucous membranes and upper respiratory tract.  
Ingestion: it may be harmful if swallowed.

## Section 12 - Ecological Information

Not data available

## Section 13 - Disposal Considerations

Follow all federal, state, and local environmental regulations.  
Call a licensed professional waste disposal service to dispose of this material.

## Section 14 - Transport Information

US DOT  
Proper Shipping Name: None  
Non-Hazardous for Transport  
IATA  
Non-Hazardous for Air Transport

## Section 15 - Regulatory Information

UNITED STATES REGULATORY INFORMATION  
SARA LISTED: No  
CANADA REGULATORY INFORMATION

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: No  
NDSL: No

## Section 16 - Other Information

For R&D use only. Not for drug, household or other uses.

### WARRANTY

The information above is believed to be accurate based on the best information available to us but does not purport to be all inclusive and shall be only used as a guide. We make no warranty, express or implied, with respect to such information, and we assume no liability resulting from its use, handling and contact. In no way shall the company be liable for any losses, claims, or damages of any third party or for lost profits or any special, direct, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.