

Monarch Scientific

Product - Muscle®

MATERIAL SAFETY DATA SHEET

*** Section 1 – Chemical Product and Company Identification ***

Product Name or Identity: Muscle®

Manufacturer's Name: Monarch Scientific Phone No.: (770) 475-4837
P.O. Box 641 Alpharetta, GA 30009

ChemTrec: 1-800-424-9300

Date Prepared or Revised: 23 March 2010

*** Section 2 – Hazards Identification ***

EMERGENCY OVERVIEW: This product is a brown paste with no discernible odor. While this product is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of this product.

OSHA Regulatory Status: This product is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects: Inhalation. Under normal conditions of use, inhalation of this product is unlikely. Use appropriate NIOSH approved respiratory protection.

Potential Health Effects: Skin. Prolonged exposure may cause skin irritation.

Potential Health Effects: Eyes. May cause slight irritation.

Potential Health Effects: Ingestion. Small amounts are not likely to cause damage. Seek medical attention if large amount is ingested.

Chronic Health Effects: Not identified.

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Signs and Symptoms of Exposure: Not identified.

Medical Conditions Aggravated by Exposure: Not identified.

HMIS Rating: Health: 1 Fire: 0 Reactivity: 0

Hazard scale: 0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe *=Chronic Hazard

***** Section 3 – Composition/Information on Ingredients *****

CAS # Component

Not applicable Hydrolyzed brewers yeast

***** Section 4 – First Aid Measures *****

First Aid: Inhalation. Under normal conditions of use, inhalation of this product is unlikely. If inhaled, remove to fresh air. If no breathing, give artificial respiration and seek medical attention.

First Aid: Skin Remove contaminated clothing. Wash affected area with soap and water for at least 5 to 15 minutes. Seek medical attention if irritation develops.

First Aid: Eyes. In case of contact, immediately flush with water for at least 15 minutes. Seek medical attention if irritation develops or persists.

First Aid: Ingestion. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical attention.

First Aid: Notes to Physician Not available

***** Section 5 – Fire Fighting Measures *****

Flash Point: Not available Method Used: Not available

Upper Flammable Limit (UFL): Not available

Lower Flammable Limit (LFL): Not available

Auto Ignition: Not available

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Flammability Classification: Not available

Rate of Burning: Not available

Flammable Properties: Not available

Extinguishing Media: Use media that is appropriate to treat surrounding fire. Consider water spray or fog, carbon dioxide, dry chemical powder or foam.

Fire Fighting Equipment/Instructions: Wear protective clothing and equipment suitable for the surrounding fire, including helmet, face mask, and self-contained breathing apparatus.

Specific Hazards: Evolves carbon dioxide, carbon monoxide or hydrocarbon fumes upon combustion.

NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0

Hazard scale: 0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe

***** Section 6 – Accidental Release Measures *****

Personal Precautions: Wear appropriate personal protective equipment as specified in Section 8.

Environmental Precautions: Avoid contact and inhalation. Do not get in eyes, on skin, on clothing. Wash thoroughly with soap and water after handling. The use of respiratory protection is advised when concentrations exceed any established exposure limits (see point 8).

Methods for Containment: No special precautions.

Methods for Clean-Up: Sweep, shovel, or vacuum up the material. Use caution as product may be slippery when wet. Keep product out of sewage and drainage systems and all bodies of water. Cleanup spills immediately. Ventilate the contaminated area. Thoroughly wash the area with water after a spill.

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Other Information: Regulations vary. All waste material should be packaged, labeled and disposed of in accordance with federal and local regulations. Consult local authorities before disposal.

***** Section 7 – Handling and Storage *****

Handling Procedures: Avoid contact and inhalation. Do not get in eyes, on skin, on clothing. Wash thoroughly with soap and water after handling. The use of respiratory protection is advised when concentrations exceed any established exposure limits (see point 8).

Storage Procedures: Keep in a tightly closed container, stored in a cooled, dry, ventilated area. Opened containers should be resealed. Do not store diluted product.

***** Section 8 – Exposure Controls/Personal Protection *****

A: Component Exposure Limits

Component (CAS #):

ACGIH:

OSHA: Not available

Engineering Controls: Use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protective Equipment: Eyes/Face Safety glasses when eye contact is possible.

Personal Protective Equipment: Skin. Rubber or latex gloves recommended for prolonged exposure.

Personal Protective Equipment: Respiratory. Under normal conditions of use, inhalation of this product is unlikely. Use appropriate NIOSH approved respiratory protection.

Personal Protective Equipment: General. There are no known hazards associated with this product when used as recommended. Use good hygiene practices when handling this material including

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changing and laundering work clothes after use. Wash with soap and water after handling.

***** Section 9 – Physical and Chemical Properties *****

Physical State:	Paste Appearance: Brown paste
Odor:	None Specific Gravity: 1.29 g/ml
Boiling Point:	Not applicable Melting Point: Not available
Vapor Density:	Not applicable Vapor Pressure: Not applicable
Flashpoint:	Not applicable Solubility (H ₂ O): Not available
pH:	Not available

***** Section 10 – Chemical Stability and Reactivity Information *****

Stable under ordinary conditions of use and storage (70°F [21°C], 1 atm).

Conditions to Avoid:	Heat and/or moisture.
Incompatible Materials:	None identified.
Hazardous Decomposition:	Evolves carbon dioxide, carbon monoxide or hydrocarbon fumes upon combustion or if heated to decomposition.

***** Section 11 – Toxicological Information *****

Acute and Chronic Toxicity

A:	General Product Information	Not available
B:	Component Analysis – LD50/LC50	Component (CAS #): Not available

Carcinogenicity

A: General Product Information:	Not available
B: Component Carcinogenicity	Component (CAS #): Not available

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Epidemiology: Not available

Neurotoxicity: Not available

Mutagenicity: Not available

Teratogenicity: Not available

Other Toxicological Information: To the best of our knowledge, the chemical, physical and toxicological properties of this product have not been thoroughly investigated.

***** Section 12 – Ecological Information *****

Component Analysis – Ecotoxicity – Aquatic Toxicity

Component (CAS #): Test & Species: Not available

***** Section 13 – Disposal Considerations *****

US EPA Waste Number & Descriptions

A: General Product Information

Not available

B: Component Waste Numbers: Component (CAS #): Not available

Disposal Instructions: Consult local, state and/or provincial environmental regulatory authorities for acceptable disposal procedures and locations.

***** Section 14 – Transportation Information *****

This product is not regulated for shipping by DOT.

***** Section 15 – Regulatory Information *****

US Federal Regulations

A: General Product Information Not available

B: Component Analysis Component (CAS #): Not available

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State Regulations

A: General Product Information Not available

B: Component Analysis – State

The following components appear on one or more of the following state right to know lists:

Component CAS # CA FL MA MN NJ PA Not available

Component Analysis – WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act

Ingredient Disclosure List: Component CAS # Minimum Concentration Not available

Additional Regulatory Information

Component Analysis – Inventory

Component CAS # TSCA 8(b) inventory Not available

***** Section 16 – Other Information *****

Other Information:

Product Use: Muscle is a source of nitrogen derived from yeast (Proteins and Amino Acids).

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