# MATERIAL SAFETY DATA SHEET

| OSHA - Meets 29 CFR 1910.1200 Standards | HMIS HAZARD RATINGS | | | |
|---|---|---|---|---|
| | HEALTH | 1 | 0 = INSIGNIFICANT | 3 = HIGH |
| | FLAMMABILITY | 0 | 1 = SLIGHT | 4 = EXTREME |
| | REACTIVITY | 0 | 2 = MODERATE | |

**TRANSPORTATION INFORMATION**

PROPER SHIPPING NAME:
HAZARD CLASS / PKG GRP:          REF:
IDENTIFICATION NUMBER:          LABEL:

## SECTION 1 - PRODUCT / COMPANY IDENTIFICATION

IDENTITY (AS USED ON LABEL AND LIST)
***Mr Muscle***

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MANUFACTURER'S NAME
  EnviroSpec

EMERGENCY TELEPHONE NUMBER
  Chemtrec (800) 424-9300   Outside USA   (703) 527-3887

ADDRESS (NUMBER, STREET, P.O. BOX)
  751 MLK Highway

TELEPHONE NUMBER FOR INFORMATION
  (912) 487-1778

  (CITY, STATE AND ZIP CODE)
  Homerville, GA  31634

DATE PREPARED:          January 17, 2007
SUPERSEDES:          April 14, 2003

## SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

| HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S)) | CAS # | % (OPTIONAL) | OSHA PEL PPM | OSHA PEL MG/M³ | ACGIH TWA PPM | ACGIH TWA MG/M³ | SARA TITLE III | RQ LBS |
|---|---|---|---|---|---|---|---|---|
| Sodium metasilicate | 6834-92-0 | 1 - 4 | | 6 | | | | 5000 |
| Ethylene glycol monobutyl ether  (a,b) | 111-76-2 | 3 - 7 | 50 | 240 | 20 | | Yes | |
| N,N-Bis(carboxymethyl)glycine  (c,d) | 5064-31-3 | 5 - 1 | | 15 | | | | |
| Sodium carbonate | 497-19-8 | 15-40 | 50 | | | | No | |

(a)  A "Yes" in the SARA TITLE III column in Section 2 indicates a toxic chemical subject to annual reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

(b)  Indicates an employee's skin exposure shall be prevented or reduced to the extent necessary in the circumstances through the use of gloves, coveralls, goggles, or other appropriate equipment.

(c)  Indicates substance appears on National Toxicology Program (NTP) list of carcinogens, International Agency for Research on Cancer (IARC) list of carcinogens or is regulated by the Occupational Safety and Health Administration (OSHA) as a possible carcinogen.

(d)  California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986, chemicals known to the state to cause cancer or reproductive toxicity.  A person in the course of doing business must warn others who may consume, come into contact with, or otherwise be exposed to this chemical.

## SECTION 3 - HEALTH HAZARD DATA

| ROUTES OF ENTRY - SIGNS AND SYMPTOMS OF EXPOSURE | EMERGENCY AND FIRST AID PROCEDURES |
|---|---|
| INHALATION:  Corrosive and irritating to upper respiratory tract and mucous membranes; may cause headache, dizziness, nausea, vomiting and malaise. | Remove affected person to fresh air; wash mouth and nasal passages with water repeatedly; if breathing difficulties persist seek medical attention. |
| SKIN:  Corrosive and irritating; chemical burns may result from contact; severe irritant; prolonged contact may cause moderate reddening,  swelling and possible necrosis. | Wash contacted area with soap and water; DO NOT attempt to neutralize with chemical agents; if irritation persists, seek medical attention. |
| EYES:  CORROSIVE; Contact with eyes is painful and irritating and will cause chemical burns, associated with redness and swelling of the conjunctiva. | Remove contact lenses.  Immediately flush eyes for 15 minutes in clear running water while holding eyelids open; seek medical attention immediately. |
| INGESTION:  Corrosive and irritating to digestive tract; may cause gastric distress, stomach pains and vomiting;  moderately toxic, may result in red blood cell hemolysis. | Drink large quantities of water or milk; give diluted vinegar or lemon juice to conscious person; DO NOT induce vomiting; seek medical attention immediately. |

CARCINOGENICITY          NTP?   No      IARC MONOGRAPHS?   No      OSHA REGULATED?   No

This product contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP or OSHA classification.  The National Cancer Insitute has found clear evidence for carcinogenicity.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:  Preexisting skin, eye, or respiratory disorders may become aggravated through prolonged exposure.

## MATERIAL SAFETY DATA SHEET

| IDENTITY (AS USED ON LABEL AND LIST) | Page 2 of 2 |
|---|---|
| Mr. Muscle | Date:  January 17, 2007 |

## SECTION 4 - FIRE FIGHTING MEASURES

| FLASH POINT  (METHOD USED) | NFPA RATING | FLAMMABLE LIMITS | |
|---|---|---|---|
| Non-flammable | **None** | LEL:  Not applicable | UEL:  Not applicable |

EXTINGUISHING MEDIA
  Carbon dioxide, water, water fog, dry chemical, chemical foam

SPECIAL FIRE FIGHTING PROCEDURES
  None

UNUSUAL FIRE AND EXPLOSION HAZARDS
  None

## SECTION 5 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Caution - CORROSIVE.  Small spills - wash to sanitary sewer with plenty of water. Large spills - Recover and segregate product for reuse; shovel product into approved container for disposal.  This is a regulated product, refer to SARA Title III, Section 313 40 CFR 372 for complete spill reporting regulations.

## SECTION 6 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:  Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures.  Store in cool, dry area.  CAUTION - material is corrosive.  Keep this and other chemicals out of reach of children.

## SECTION 7 - EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION (SPECIFY TYPE):  None required while threshold limits (Section 2) are kept below maximum allowable concentrations; if TWA exceeds limits, NIOSH approved respirator must be worn.  Refer to 29 CFR 1910.134 or European Standard EN 149 for complete regulations.

| VENTILATION | LOCAL EXHAUST:  Required | SPECIAL:  To maintain minimum TWA and STEL levels. |
|---|---|---|
| | MECHANICAL (GENERAL):  Yes | OTHER:  Engineering and work controls as required. |

| PROTECTIVE GLOVES: Neoprene or rubber gloves with cuffs. | EYE PROTECTION:  Protective eyeglasses or chemical safety goggles. |
|---|---|

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:  Coveralls, apron, or other equipment should be worn to minimize skin contact.

WORK / HYGIENIC PRACTICES:  Practice safe workplace habits.  Minimize body contact with this, as well as all chemicals in general.

## SECTION 8 - PHYSICAL / CHEMICAL PROPERTIES

| BOILING POINT | SPECIFIC GRAVITY  (WATER = 1) |
|---|---|
| Not applicable | 1.55 |
| VAPOR PRESSURE  (MM Hg) | pH |
| Not applicable | < 2 (1% aqueous solution) |
| VAPOR DENSITY  (AIR = 1) | EVAPORATION RATE  (WATER = 1) |
| Not applicable | Not applicable |
| SOLUBILITY IN WATER | % VOLATILE  (BY WEIGHT) |
| Complete | 5 % |
| APPEARANCE AND ODOR | |
| Brown powder, cinnamon odor | |

## SECTION 9 - STABILITY AND REACTIVITY

| STABILITY | UNSTABLE: | CONDITIONS TO AVOID:  Avoid generating airborne dust |
|---|---|---|
| | STABLE:  XXX | |

INCOMPATIBILITY (MATERIALS TO AVOID):  Strong oxidizers, strong acids, strong alkalies

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly.  In case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be produced.

| HAZARDOUS POLYMERIZATION | MAY OCCUR: | CONDITIONS TO AVOID:  None |
|---|---|---|
| | WILL NOT OCCUR:  XXX | |

## SECTION 10 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with Local, State, and Federal Regulations.  Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations for corrosive materials.  Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals.