# Material Safety Data Sheet

### MicroCal

### Section 1 – Product and Company Identification

Product Name: MicroCal

Trade Names: MicroCal, MicroCal Cationic Synonyms: Liquid Calcium Supplement Chemical Family: Calcium Carbonate MSDS Creation Date: December 2004 MSDS Current revision date: None

Distibuted by: AG Specialties LLC; 12220 SW Grant Ave; Tigard, OR 97223; 877-601-7670

EMERGENCY: CHEMTREC (24 Hour Emergency Response) 1-800-424-9300

### **Section 2 – Composition / Information on Ingredients**

er %wt
7.28

#### Section 3 – Hazards Identification

**Emergency overview:** White opaque liquid – no odor. Mild irritant.

**NFPA Rating:** Health=0, Fire=0, Reactivity=0

**Potential Health Effects:** 

*Inhalation:* May cause irritation of the nasal membranes and upper respiratory tract.

*Skin Contact:* May cause irritation.

Eye Contact: Contact may cause irritation. Additional effects may include tearing and/or blurred vision.

*Ingestion:* Ingestion should not cause any significant health problems. Long-Term and/or delayed effects: Not available

CARCINOGEN STATUS: OSHA: Not listed NTP: Not listed IARC: Not listed

#### **Section 4 – First aid Measures**

Inhalation: Remove from exposure area to fresh air.. Get medical attention for irritation or any other symptom.

Skin Contact: Wash affected area with soap or mild detergent and rinse with water until no eveidence of product remains. Get medical assistance for irritation, or any other symptom.

Eye Contact: Flush eyes immediately with water or normal saline solution, occansionally lifting upper and lower lids until no evidence of product remains (approximately 15-20 minutes). Get medical attention if irritation persisits.

Ingestion: Ingestion should not cause any significant health problems. If a large amount is ingested and if victim is conscious,

give large quantities of water. Seek medical attention.

NOTE TO PHYSICIAN: The decision as to whether the severity of exposure requires administration of any antidote and actual dose required should be made by qualified medical personnel.

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### **Section 5 – Fire-Fighting Measures**

Flash Point: Non-Flammable

AutoIgnition Temperature: Not Determined Fire and Explosion Hazard: None

Extinguishing Media: Use any standard agent suitable for surrounding structural fire or for other chemicals that may be

involved.

Firefighting: Wear appropriate self-contained positive pressure breathing apparatus. Hazardous Combustion Products: Thermal decomposition will not occur.

#### Section 6 – Accidental Release Measures

In Case of Spill: Pick up dry spills by scooping, shoveling or vacuuming and place into containers for reuse or disposal. Wear protective clothing and gloves. Keep unnecessary people away. Do not allow product and/or runoff to enter sewars or waterways.

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

Storage: Store in a cool, dry place.

Normal Handling: Avoid contact with skin and eyes. Wash thoroughly after handling.

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

**Exposure Limits** 

Ingredient OSHA PEL ACGIH TLV OTHER VALUES

Limestone Total Dust 15mg/m3 Total Dust 10mg/m3 -----

Ventilation: Use of local exhaust is recommended at product transfer points.

Eye Protection: Wear safety glasses. Use of splash shields or safety goggles is recommended.

Clothing: Wear trousers and long sleeved shirt to avoid skin contact with this product. Launder separately from household

laundry.

Gloves: Use rubber protective gloves to prevent contact with this product.

Respirator: In the unlikely event of dust while handling product, use an NIOSH approved air-purifying dust respirator.

**EMERGENCY WASH FACILITIES:** Where there is the potential that an employee's eyes and/or skin may be exposed to this product, the employer should provide an eye wash fountain and safety shower or another source of running water within the immediate work area.

## Section 9 – Physical and Chemical Properties

Description: White opaque liquid – no odor

Molecular Formula: CaCO3
Molecular Weight: unknown

ph: unknown

Melting Point: Not applicable Boiling Point: Not applicable Vapor Pressure: Not applicable

Water Solubility: 0.0014g / 100ml @ 25 degrees Celcius

Solvent Solubility: unknown Specific Gravity: 2.71 g/ml

### Section 10 – Stability and Reactivity

Reactivity: Material is stable Conditions to Avoid: None

*Incompatibilites:* Reacts with strong acids and liberates carbon dioxide.

Hazardous Decomposition: None Polymerization: Will not occur

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

Toxicological information listed below is for Calcium Carbonate.

# Acute Toxicity: LD50: unknown

LD50: unknown

Local Effects: Solutions may be irritating to skin, eye, ingestion.

Eyes: unknown

Inhalation: Inhalation of (unlikely) dust may cause irritation of the respiratory tract.

Ingestion: Ingestion may cause irritation. SEE Section 4

Delayed / Chronic:

CARCINOGEN STATUS: Limestone is not listed as a carcinogen by OSHA, NTP, or IARC

CHRONIC EXPOSURE: No data available.

## **Section 12 – Ecological Information**

Acute Aquatic Toxicity:

LC50 rainbow trout unknown LC50 rainbow trout unknown unknown Degradability: No data available

Log Bioconcentration Factor (BCF): No data available Log Octanol/Water partition coefficient: No data available

# Section 13 – Disposal Considerations

Product (as shipped) is not a RCRA hazardous waste if discarded. Observe all federal, state and local regulations when disposing of this product.

# **Section 14 – Transport Information**

This product is not regulated in surface transportation.

US DOT Shipping name: Calcium carbonate solution (lime slurry), NMFC 43700, class 50

US DOT Hazard Class: Not applicable

 $US\ DOT\ Identification\ Number:\ {\it Not\ applicable}$ 

US DOT Packing Group: Not applicable US DOT Label Code: Not applicable

Reportable Quantity: None

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

TSCA Status: All ingredients are listed on the TSCA Inventory of Chemical Substances.

Other TSCA Issues: None SARA 311 Classification: None

SARA 313 Notification: There are no ingredients on the SARA 313 reporting list.

CERCLA RQ's and TPQ's: None

California Proposition 65: This product contains chemicals known to the State of California to cause cancer and birth

defects or other reproductive harm.

Canadian Inventory: All ingredients are listed on the Canadian Domestic Substances List.

WHMIS: This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the

MSDS contains all the information required by the Controlled Products Regulations. Classification: D2B

#### Section 16 - Other Information

NFPA Ratings: Health: 0, Flammability: 0, Reactivity: 0

Label Hazard Warning: None Label Precautions: None

Label First Aid: None: See Section 4 for First Aid measures

**Product Use:** Calcium supplement for fertilizer use.

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