

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
Distributed 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

Ingredient Name	CAS Number	%wt
Calcium Carbonate	1317-65-3	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 evidence of product remains.
Get medical assistance for irritation, or any other symptom.

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

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.

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/m ³	Total Dust 10mg/m ³	----

*= ACGIH Biological Exposure Value

**= AIHA Workplace Environmental Exposure Level

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

Incompatibilities: 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

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: 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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