

**EUCON MR - BULK GALLONS**

Version 6.0

Print Date 11/05/2014

REVISION DATE: 11/03/2014

**SECTION 1 - PRODUCT IDENTIFICATION**

Trade name : EUCON MR - BULK GALLONS  
 Product code : 026A 99  
 COMPANY : Euclid Chemical Company  
 19218 Redwood Road  
 Cleveland, OH 44110  
 Telephone : 1-800-321-7628  
 Emergency Phone : U.S. only: 1-800-424-9300  
 International Users Call Collect: 1-703-527-3887  
 Product use : Admixture

**SECTION 2 - HAZARDS IDENTIFICATION****Emergency Overview**

Brown. Liquid. No serious effects anticipated under normal conditions of use. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

**Acute Potential Health Effects/ Routes of Entry**

Inhalation : No serious effects anticipated under normal conditions of use.  
 Eyes : Direct contact may cause mild irritation.  
 Ingestion : May cause gastrointestinal irritation, nausea, and vomiting.  
 Skin : May cause mild irritation.

**Aggravated Medical Conditions**

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

**Chronic Health Effects**

Fillers are encapsulated and not expected to be released from product under normal conditions of use.

**SECTION 3 - PRODUCT COMPOSITION**

Chemical Name	CAS-No.	Weight %
Water	7732-18-5	40.0 - 70.0
Calcium nitrate	10124-37-5	15.0 - 40.0
Calcium lignosulfonate	8061-52-7	15.0 - 40.0
Sodium gluconate	527-07-1	1.0 - 5.0
Sodium thiocyanate	540-72-7	1.0 - 5.0

**SECTION 4 - FIRST AID MEASURES**

Get immediate medical attention for any significant overexposure.

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Inhalation	: Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.
Eye contact	: Flush with water for 15 minutes. If irritation persists, get medical attention.
Skin contact	: Wash area of contact thoroughly with hand cleaner followed by soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
Ingestion	: Get medical attention. Do not induce vomiting.
Notes to physician	: Not applicable.

**SECTION 5 - FIRE FIGHTING MEASURES**

Flash point	: Not available.
Method	: Not available.
Lower explosion limit	: Not available.
Upper explosion limit	: Not available.
Autoignition temperature	: Not available.
Extinguishing media	: This product is not expected to burn under normal conditions of use.
Hazardous combustion products	: Carbon monoxide and carbon dioxide can form. Smoke, fumes.
Protective equipment for firefighters	: Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).
Fire and explosion conditions	: This product not expected to ignite under normal conditions of use.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Stop flow. Contain spill. Keep out of water courses. Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal. Use appropriate protective equipment. Avoid contact with material.

**SECTION 7 - HANDLING AND STORAGE**

Handle in compliance with common hygienic practices. Clean hands thoroughly after handling. Keep from freezing. Do not use in confined or poorly ventilated areas. Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Store in sealed containers in a dry, ventilated warehouse location above freezing.

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION****Personal protection equipment**

Respiratory protection	: Not required under normal conditions of use.
Hand protection	: Use suitable impervious rubber or vinyl gloves and protective apparel to reduce exposure.
Eye protection	: Wear appropriate eye protection. Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes



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with contaminated body parts or materials. Have eye washing facilities readily available.

- Skin and body protection : Prevent contact with shoes and clothing. Use rubber apron and overshoes.
- Protective measures : Other equipment not normally required. Use professional judgment in the selection, care, and use.
- Engineering measures : Not required under normal conditions of use. Use local exhaust when the general ventilation is inadequate.

### **Exposure Limits**

No known components with exposure limits.

## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

- Form : Liquid
- Color : Brown
- Odor : Slight
- pH : 6 - 8
- Vapour pressure : Not available.
- Vapor density : Heavier than air
- Melting point/range : Not available.
- Freezing point : Not available.
- Boiling point/range : Not available.
- Water solubility : Soluble
- Specific Gravity : 1.285 +/- 0.015
- % Volatile Weight : 52.3 %

## **SECTION 10 - REACTIVITY / STABILITY**

- Substances to avoid : Strong acids. Strong bases.
- Stability : Stable
- Hazardous polymerization : Will not occur.

## **SECTION 11 - TOXICOLOGICAL INFORMATION**

Calcium nitrate, CAS-No.: 10124-37-5  
Acute oral toxicity (LD-50 oral) 302 mg/kg ( Rat )



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### **SECTION 12 - ECOLOGICAL INFORMATION**

No Data Available

### **SECTION 13 - DISPOSAL CONSIDERATIONS**

Disposal Method : Waste not regulated under RCRA. Dispose of in compliance with state and local regulations.

### **SECTION 14 - TRANSPORTATION / SHIPPING DATA**

#### **CFR / DOT:**

Not Regulated

#### **TDG:**

Not Regulated

#### **IMDG:**

Not Regulated

### **SECTION 15 - REGULATORY INFORMATION**

#### **North American Inventories:**

All components are listed or exempt from the TSCA inventory.

This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

#### **U.S. Federal Regulations:**

SARA 313 Components : Calcium nitrate 10124-37-5

SARA 311/312 Hazards : Acute Health Hazard

#### OSHA Hazardous Components :

Calcium nitrate 10124-37-5

Glutaraldehyde 111-30-8

Calcium nitrate 10124-37-5

Dimethylformocarbothialdine 533-74-4

OSHA Status: Considered Irritant  
hazardous based on the following criteria:

# Material Safety Data Sheet



EUCLID CHEMICAL

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OSHA Flammability : Not Regulated

Regulatory VOC (less water and  
exempt solvent) : 0 g/l

VOC Method 310 : 0.00 %

### U.S. State Regulations:

Penn RTK Components	:	Water	7732-18-5
		Calcium nitrate	10124-37-5
		Calcium lignosulfonate	8061-52-7

NJ RTK Components	:	Water	7732-18-5
		Calcium nitrate	10124-37-5
		Calcium lignosulfonate	8061-52-7
		Sodium gluconate	527-07-1
		Sodium thiocyanate	540-72-7

Components under California Proposition 65:

WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm

## SECTION 16 - OTHER INFORMATION

### HMIS Rating :

Health	1
Flammability	0
Reactivity	0
PPE	

0 = Minimum  
1 = Slight  
2 = Moderate  
3 = Serious  
4 = Severe

### Further information:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

Prepared by: Rich Mikol

### Legend

ACGIH - American Conference of Governmental Hygienists  
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act  
DOT - Department of Transportation  
DSL - Domestic Substance List  
EPA - Environmental Protection Agency  
HMIS - Hazardous Materials Information System  
IARC - International Agency for Research on Cancer  
MSHA - Mine Safety Health Administration  
NDSL - Non-Domestic Substance List  
NIOSH - National Institute for Occupational Safety and Health  
NTP - National Toxicology Program

PEL - Permissible Exposure Limit  
RCRA - Resource Conservation and Recovery Act  
RTK - Right To Know  
SARA - Superfund Amendments and Reauthorization Act  
STEL - Short Term Exposure Limit  
TLV - Threshold Limit Value  
TSCA - Toxic Substances Control Act  
TWA - Time Weighted Average  
V - Volume  
VOC - Volatile Organic Compound  
WHMIS - Workplace Hazardous Materials Information



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System

OSHA - Occupational Safety and Health Administration