



MATERIAL SAFETY DATA SHEET

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1-613-996-6666 – CANUTEC – Transportation Emergency
1-888-243-9771 – ChExSS – Chemical Exposure

ENVIROFLOC

SECTION I: IDENTIFICATION OF PRODUCT

Product Name: CALCIUM NITRATE
Chemical Family: Double salt of calcium nitrate and ammonium nitrate
WHMIS Classification: Not controlled
Workplace Hazard: None known

Product Use: Calcium source.
TDG Classification: Not regulated
Packaging Group: Not applicable
PIN: Not applicable

SECTION II: HAZARDOUS INGREDIENTS

Ingredients	Percent	CAS Number	LD ₅₀ (Rat/Oral)	LC ₅₀ (Species/Route)
Contains no hazardous ingredients				

SECTION III: TOXICOLOGICAL PROPERTIES

Route of entry: Skin Eye Contact Inhalation Ingestion

Effects of acute exposure:

- Skin: May cause irritation, particularly if skin is wet.
- Eye: May cause slight irritation and/or redness.
- Inhalation: May cause some respiratory irritation.
- Ingestion: Minimal toxicity

Effects of chronic exposure: None known

Exposure limits: Not applicable

Irritancy of product: Mild irritant.

Sensitization to product: Not applicable

Carcinogenicity: Not applicable

Reproductive toxicity: Not applicable

Teratogenicity: Not applicable

Mutagenicity: Not applicable

Name of toxicological synergistic products: Not applicable



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SECTION IV: FIRST AID MEASURES

Skin contact: wash with soap and water. If adverse symptoms develop, seek medical attention.

Eye contact: Flush eyes with water for at least 15 minutes. If adverse symptoms develop, seek medical attention.

Inhalation: Remove patient to fresh air. If breathing has stopped, administer artificial respiration, and seek medical attention

Ingestion: Delay absorption of nitrate by giving milk or activated charcoal. Seek immediate medical attention.

SECTION V: PHYSICAL DATA

Physical state: Solid.

Appearance and odour: White crystals; odourless

Odour threshold: Not applicable

Specific gravity: 1.12

Vapor pressure (mmHG): Not applicable

Vapor density (Air=1): Not applicable

Evaporation rate: Not applicable

Boiling point (°C): Decomposes

Freeze/Melting point (°C): 110

pH: Not available

Co-efficient of water/oil distribution: 75% (w/w @ 25°C)



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SECTION VI: FIRE AND EXPLOSION DATA

Conditions of flammability: Low fire risk. Decomposition produces oxides of nitrogen.

Means of extinguishing: Flood with water.

Flash point: Not available

Upper flammable limit: Not available

Lower flammable limit: Not available

Auto-ignition temperature: Not available

Hazardous combustion products: Nitrogen oxides

Explosion data-sensitivity to mechanical impact: None known

Explosion data-sensitivity to static discharge: None known

SECTION VII: REACTIVITY DATA

Chemically unstable (conditions): Stable.

Product incompatible with: None known

Conditions of reactivity: Not available

Hazardous decomposition products: None known



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SECTION VIII: PREVENTATIVE MEASURES

Personal protective equipment: Chemical resistant clothing is recommended, including gloves, apron and goggles. Respiratory protection is not normally required. If use creates dust formations, then NIOSH – approved respirator with dust cartridge is recommended.

Specific engineering controls: None required for normal use.

Procedures for leak/spills: Vacuum or sweep, if dry. If wet, absorb with sand or dirt, re-use if possible. Flush area with water.

Waste disposal: All waste should be disposed of according to federal, provincial and local regulations. Containers should NOT be re-used. Containers should be disposed of in accordance with government regulations

Handling procedures and equipment: Avoid ingestion. Practice reasonable caution and personal cleanliness. Avoid skin and eye contact.

Storage requirements: Store in a cool, dry, well ventilated place. Keep container tightly closed and away from incompatible materials.

Special shipping information: Not applicable

SECTION IX: PREPARATION

Date updated: March 24, 2010

Prepared by: Product Safety Committee

All the recommendations and suggestions herein concerning this product are based upon tests and data believed to be reliable, however it is the user's responsibility to determine the safety, toxicity and sustainability for their own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Q'Max Solutions Inc. as to the effects of such use, the results to be obtained, or the safety and toxicity of the product nor does Q'Max Solutions Inc. assume any liability arising out of use by others. Nor is the information herein to be considered as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.