



An Employee-Owned Company  
Comprehensive Wastewater Solutions

# Safety Data Sheet CalNit™

## Wastewater Nutrient Blend

### Section 1 - Identification

**Product Name:** CalNit™

**Product Use:** Wastewater Nutrient Blend

**Product Description:** Wastewater Nutrient Blend

**Issued:** November 28th 2022

**Revised:** April 10th 2024

**Supplier Details:**

Environmental Business Specialists, LLC  
1930 Surgi Drive  
Mandeville, LA USA 70448

**E-mail:** info@ebsbiowizard.com

**Website:** www.ebsbiowizard.com

**Emergency Numbers:**

**Chemtrec:** 800-424-9300  
**Phone:** 985-674-0660  
**Fax:** 985-674-3483

### Section 2 - Hazard(s) Identification

**GHS Classification(s):**

**Acute Toxicity Oral Category 4**

**Serious Eye Damage/Eye Irritation Category 1**



**Signal Word:** Danger

**Hazard Statements:** Harmful if swallowed. Causes serious eye damage.

**Precautionary Statements:**

**Prevention:** Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** IF INGESTED, give large quantities of water to dilute. Consult a physician promptly. IF ON SKIN OR CLOTHING, immediately flush skin with water. If irritation persists, seek medical attention. IF IN EYES, immediately flush your eyes thoroughly with water for at least 15 minutes. If irritation persists, seek medical attention.

**Storage:** Keep out of extreme temperatures. Avoid strong acids and alkali compounds. Avoid using containers, pipes, and fittings made of the following: Brass, Zinc, Copper, and Aluminum.

**Disposal:** Disposal is subject to federal, state, and local regulations.

**Other hazard information:**

Physical/Chemical Hazards: No additional hazards

Health Hazards: Contact with eyes may produce irritation. May produce gastric distress upon ingestion.

Environmental Hazards: No additional hazards

## Section 3 - Composition/Information on Ingredients

Component	CAS#	% by Wt.
Calcium Nitrate Tetrahydrate	13477-34-4	70 - 72%
Ammonium Nitrate	6484-52-2	0 - 5%

## Section 4 - First Aid Measures

**Inhalation:** Avoid inhalation of vapor, spray, or mist. If inhaled, remove to fresh air. Get medical attention immediately. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus..

**Skin Contact:** In case of contact, remove contaminated clothing and shoes. Wash contact areas thoroughly with soap and water. Do not allow the material to contact open wounds. If such contact occurs, wash with soap and water and apply a superficial disinfectant. Launder contaminated clothing before reuse. If irritation develops and persists, seek medical attention.

**Eye Contact:** In case of contact, do not rub your eyes. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. If irritation develops and persists, seek medical attention.

**Ingestion:** If ingested, remove the material from the mouth and rinse with water. If the victim is conscious and alert, give water or milk to dilute. Do not induce vomiting, unless directed by medical personnel. If gastric distress develops, seek medical attention.

## Section 5 - Fire Fighting Measures

**General Information:** This material is not considered flammable or combustible.

**Suitable Extinguishing Media:** Water mist, dry chemical, carbon dioxide (CO<sub>2</sub>), or alcohol foam.

**Unsuitable Extinguishing Media:** None known.

**Specific Hazards in Case of Fire:** Under high heat, may give off ammonia and NO<sub>x</sub> fumes.

**Special Protective Equipment and Precaution for Fire Fighters:** Full protective clothing and approved self-contained breathing apparatus are required for firefighting personnel.

## Section 6 - Accidental Release Measures

**Personal Precautions:** Wear an approved respirator for nuisance dust during cleanup. Wear appropriate personal protection equipment (see section 8).

**Environmental Precautions:** May cause eutrophication in waterways. Proper use and disposal should not cause a significant environmental impact.

**Methods and Materials for Containment and Cleaning Up:** For small spills, mop or pump small spills into appropriate containers. Be aware spills can create slippery conditions. For large spills, stop spill at the source, dike, and transfer material into appropriate containers for reclamation or disposal.

## Section 7 - Handling and Storage

**Precautions for safe handling:** Wear appropriate personal protection equipment (see section 8). Do not ingest. Avoid breathing mist.

**Conditions for safe storage, including incompatibilities:** Store in a cool place. Store away from incompatible materials (see section 10).

## Section 8 - Exposure Control/Personal Protection

### Control parameters

**Occupational Exposure Limits:** Minimize exposure in accordance with good hygiene practices.

**Appropriate engineering controls:** None known.

### Individual protection measures/Personal protective equipment

**Personal protective equipment:** Avoid all unnecessary exposure.

**Hand protection:** Wear protective gloves

**Eye protection:** Chemical goggles or face shield. Safety glasses.

**Skin and body protection:** Wear suitable protective clothing

**Respiratory protection:** Wear an appropriate mask.

**Other information:** Do not eat, drink or smoke during use.

## Section 9 - Physical and Chemical Properties

**Physical state:** Liquid

**Color:** Clear.

**Odor:** Odorless.

**Odor threshold:** No data available.

**pH:** 5 - 7

**Freezing point:** 4°F - 5°F

**Boiling point:** Not determined.

**Flash point:** > 239°F

**Evaporation rate:** No data available.

**Flammability (solid, gas):** No data available.

**Vapor pressure:** No data available.

**Vapor density:** 23 mm Hg @ 75°F (23.9°C)

**Specific gravity/Relative density:** 1.4 (g/cm3)

**Solubility:** Dispersible in water.

**Log Pow:** No data available.

**Auto-ignition temperature:** Not determined.

**Decomposition temperature** No data available.

**Viscosity, kinematic:** No data available.

**Viscosity, dynamic:** No data available.

## Section 10 - Stability and Reactivity

**Chemical Stability:** Product is stable under recommended conditions of use and storage.

**Possibility of hazardous reactions:** None known.

**Conditions to avoid:** Avoid contamination by any source, including metals, dust, and organic materials

**Materials to avoid:** Akalis, combustible materials, reducing materials, organic materials, acids.

**Hazardous Decomposition Products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11 - Toxicological Information

### Information on toxicological effects

#### Acute toxicity:

##### Calcium Nitrate Tetrahydrate (13477-34-4)

LD50 oral rat

500 mg/kg (Rat)

##### Ammonium Nitrate (6484-52-2)

LD50 oral rat

500 mg/kg (Rat)

LD50 dermal rat

>5,000 mg/kg

## Potential Acute Health Effects

- \*\*Inhalation: Vapor may be irritating to the eyes and respiratory system.
- \*\*Ingestion: May lead to stomach pains. May cause burns to the mouth, throat, and stomach.
- \*\*Skin Contact: No known significant effects or critical hazards.
- \*\*Eye Contact: Causes serious eye damage.

## Symptoms Related to the Physical, Chemical, and Toxicological Characteristics

- \*\*Inhalation: No specific data.
- \*\*Ingestion: Adverse symptoms may include stomach pains.
- \*\*Skin Contact: No specific data.
- \*\*Eye Contact: Adverse symptoms may include pain, irritation, watering, or redness.

## Delayed and Immediate Effects and Chronic Effects From Short and Long-Term Exposure

- \*\*Short-term Exposure: Not available.
- \*\*Long-Term Exposure: Not available.
- \*\*Potential Chronic Health Effects: Not available.

## Section 12 - Ecological Information

### Toxicity

**Ecology - general:** The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

#### Calcium Nitrate Tetrahydrate (13477-34-4)

LC50 Fish - Labeo boga	1,378 mg/l	96 h
LC50 Fish - Lepomis macrochirus	2,400 mg/l	4 d
LC50 Fish - Aquatic invertebrates - Daphnia	490 mg/l	48 h
EC50 Aquatic plant - Heterosigma akashiwo	1,700 mg/l	10 d

#### Ammonium Nitrate ( 6484-52-2)

LC50 Fish - Labeo boga	447 mg/l	48 h
EC50 Aquatic	490 mg/l	48 h

**Persistence/Degradability:** Not determined.

**Bioaccumulation:** Not determined.

**Mobility in soil:** Not determined.

**Other Adverse Effects:** No known significant effects or critical hazards.

## Section 13 - Disposal Considerations

**Hazardous Waste Number:** Not available.

**Disposal Method:** Dispose of in accordance with all local, state and federal regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied.

## Section 14 - Transport Information

**US DOT:** Not regulated.

**TDG:** Not regulated.

**IATA:** Not regulated.

**IMDG:** Not regulated.

## Section 15 - Regulatory Information

**TSCA:** All components of this product are listed on the TSCA Inventory or are exempt from TSCA Inventory requirements.

### Regulated Components:

Component	CAS #	CERCLA	SARA 311	SARA 312	SARA 313
Calcium Nitrate Tetrahydrate	13477-34-4	No	Yes	Yes	No
Ammonium Nitrate	6484-52-2	No	Yes	Yes	No

**State of California, Proposition 65:** No components of these products are listed under State of California Proposition 65 to cause cancer and birth defects or other reproductive harm.

## Section 16 - Other Information

Hazard Rating System	Health	Flammability	Reactivity	
	1	0	0	
NFPA Rating System	Health	Flammability	Reactivity	Special Hazard
	1	0	0	None

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