

# MATERIAL SAFETY DATA SHEET

PRODUCT NAME: CALCIUM PLUS (8-0-0)

MSDS No.: 99-57189

Date of Preparation: 05/22/97

Date of Revision: 12/3/02

NFPA HAZARD RATINGS: Health (1) Fire (0) Reactivity (0)  
extreme

(0) least (1) slight (2) moderate (3) high (4)

## Section 1-CHEMICAL PRODUCT and COMPANY IDENTIFICATION

**General Product Composition:** Proprietary Polymerous Hydrosol Leachate with Inorganic Calcium Salt and Nitrate Nitrogen.

**Intended Use:** Turf Management. **Manufactured for:** Spindler Enterprises, Inc., P.O. Box 6112, Lakeland, Fl. 33807. **Phone:** (863) 619-9822.

**Emergency Telephone:** CHEMTREC 1-800-424-9300.

## Section 2-COMPOSITION/INFORMATION on INGREDIENTS

Ingredients in this product are not considered hazardous under OSHA Hazardous Communication Standard 29CFR1910.1200.

**TRACE IMPURITIES:** Organic acids and biostimulants derived from composting. **EXPOSURE LIMITS:** No limits since ingredients are not hazardous.

## Section 3-HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Potential Health Effects: **Primary Entry Routes:** Skin, eyes, ingestion, inhalation. **Target Organs:** Eyes, skin, gastrointestinal tract, respiratory tract. **Acute Effects: Inhalation:** Repeated or prolonged inhalation may cause irritation of respiratory tract. **Eye:** Causes severe eye burns. May cause irreversible eye injury. **Skin:** May cause severe skin irritation. May cause skin burns. May cause deep penetrating, ulceration of skin. **Ingestion:** Causes gastrointestinal tract burns. May cause perforation of digestive tract. **Carcinogenicity: IARC:** NO, **NTP:** NO, **OSHA:** NO. **Medical Conditions Aggravated by Long-Term Exposure:** Serious eye and/or skin burning. **Chronic Effects:** Repeated inhalation may cause chronic bronchitis.

## Section 4-FIRST AID MEASURES

**Inhalation:** Immediately remove from exposure to fresh air. Get medical assistance. **Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting upper and lower lids. Get immediate medical assistance. Do not allow victim to rub or keep eyes closed.

**Skin Contact:** Remove any contaminated clothing or shoes. Wash skin with plenty of gentle soap and water. Get immediate medical assistance. Launder cloths before reuse. **Ingestion:** DO NOT INDUCE VOMITING. Give 2 or 3 glasses of water to drink and get immediate medical attention. *After first aid, get appropriate in-plant, paramedic, or community medical support.* **Note to Physicians:** Treat symptomatically and supportively. No specific antidote. **Special Precautions/Procedures:** None known.

## Section 5-FIRE FIGHTING MEASURES

**Flash Point:** NA **Flammability Classification:** Non-flammable. **Extinguishing Media:** Water spray, dry chemical, or carbon dioxide.

**Unusual Fire or Explosion Hazards:** Containers exposed to fire may rupture violently. Keep containers cool with water spray.

**Hazardous Combustion Products:** Oxides of nitrogen. **Fire-Fighting Instructions:** Fire fighters should wear full protective equipment and self-contained breathing apparatus. Prevent runoff from entering water systems. Keep non-essential personnel out of fire area.

## Section 6-ACCIDENTAL RELEASE MEASURES

**Spill/Leak Procedures:** Small Spills: Wear protective equipment. Prevent spill from entering water systems. Absorb spill on inert material such as clay, vermiculite or kitty litter. Place absorbed material into labeled container for proper disposal. **Large Spills:** Dike to prevent spill from entering water systems. **Cleanup:** If spill is of major proportions, soil may need to be excavated.

## Section 7- HANDLING and STORAGE

**Handling Precautions:** Avoid contact with skin, eyes and clothing. Do not take internally. Wash after handling. Do not contaminate water by disposal of equipment wash waters. **Storage Requirements:** Store in a cool, dry area preferably locked and out of reach of children and animals.

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## Section 8-EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Use in open, outdoor areas only. **Respiratory Protection:** In confined areas, NIOSH/MSMA approved respirator.

**Protective Clothing/Equipment:** Safety glasses/goggles/face shield, impervious gloves, protective clothing and impervious boots strongly recommended.

## Section 9-PHYSICAL/CHEMICAL PROPERTIES

**Physical State:** Liquid. **Appearance & Odor:** Light amber liquid. **Solubility in Water:** Soluble.  
**Density:** 11.34 lbs. per gal. **Specific Gravity (@ 68°F):** 1.358 **pH (@ 68°F):** 2.5.

## Section 10-STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions of use and storage. DO NOT FREEZE. **Polymerization:** NO. **Chemical**

**Incompatibilities:** Alkalies.

**Conditions to Avoid:** Extreme heat. Do not freeze. **Hazardous Decomposition Products:** Not known.

## Section 11-TOXICOLOGICAL INFORMATION

No lab test data for this product on: skin effects, eye effects, acute inhalation effects, and acute oral effects, Carcinogenicity, Mutagenicity and Teratogenicity.

## Section 12-ECOLOGICAL INFORMATION

**Ecotoxicity:** Accidental spills of undiluted product may cause vegetation kills. **Environmental Fate:** Keep out of any body of water.

## Section 13-DISPOSAL CONSIDERATIONS

**Disposal:** Consult local, state or federal regulatory agencies for acceptable disposal procedures and locations. Disposal in waterways or sewers may be prohibited.

## Section 14-TRANSPORT INFORMATION

**DOT Transportation Data (49 CFR 172.101):** **Shipping Name:** calcium nitrate; **Shipping Symbols:** NA; **Hazard Class:** 5.1; **ID No.:** UN1454; **Packing Group:** III; **Label:** Oxidizer. **Packaging Authorizations:** a) *Exceptions:* 152; b) *Non-bulk Packaging:* 213; c) *Bulk Packaging:* 240; **Quantity Limitations:** a) *Passenger, Aircraft, or Railcar:* Special Provisions (172.102): 25 kg; b) *Cargo Aircraft Only:* 100 kg; **Vessel Stowage Requirements:** a) *Vessel Stowage:* A

## Section 15-REGULATORY INFORMATION

**EPA Regulations:** Not regulated by EPA under FIFRA or FQPA. **OSHA Regulations:** Refer to sections 2 & 8. **State Regulations:** Check with specific state authorities since regulations vary within the states. **SARA Title III; Sections 311/312:** **Sudden Release of Pressure (N), Reactivity (N), Fire (N), Immediate (Acute) Health (Y), Delayed (Chronic) Health (Y)**

## Section 16-OTHER INFORMATION

**DISCLAIMER:** The information on this MSDS was obtained from current and reliable sources intended for persons having related technical skills. However, the data is provided without warranty, expressed or implied, regarding its correctness or accuracy. It is the users responsibility to determine safe conditions for use of the product and to assume liability for loss, injury, damage, or expense resulting from improper use.

ND= Not Determined; NA= Not Applicable; NIA= No Information Available