

Material Safety Data Sheet

Southern Lawn Professional Turfgrass Fertilizers (All Grades)

Camp Chemical Corp.
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Version 1

NFPA Health:1, Fire:1, Reactivity:1

Section 1 - Chemical product identification

Product Name: Southern Lawn brand Professional Turfgrass Fertilizers

Chemical Formula: Inorganic Salts

CAS Number: Not Applicable

General Use: Fertilizer, plant nutrients

Manufacturer: Camp Chemical Corporation, P.O. Box 521, Roxboro, NC 27573 Tel (336) 597-2214 Fax (336) 597-2877

Section 2 – Composition / Hazardous Ingredients

Principal ingredients: (may contain one or more of the following granular products) Urea CAS 57-13-6, Diammonium Phosphate CAS 7783-28-0, Ammonium Sulfate CAS 7783-20-2, Potassium Sulfate CAS 7778-80-2, Muriate of Potash CAS 7447-40-7.

Note: refer to each product's attached Guaranteed Analysis tag for specific analysis and amounts of these ingredients.

Nitrates %: 0-32

Fluoride %: 0-1.4

Boron Compounds %: 0-0.6

Iron Compounds (oxide and sulfate) %: 0-10.5

Manganese Compounds (oxide and sulfate) %: <1

Zinc Compounds (oxide and sulfate) %: <1

Silica, Crystalline CAS Number 14808-60-7 (see section 3) %: 0-20 TLV(mg/m3): 0.3

Section 3 – Hazards Identification

Emergency overview: This product may contain nitrates, which if contaminated with a fuel (i.e., organic hydrocarbon) and confined may pose a fire and explosion hazard. Nitrogen compounds, if spilled or released into a waterway, could be toxic to aquatic life.

INGESTION: Ingestion may cause irritation of the gastrointestinal tract, cramps or vomiting.

INHALATION: Dusty conditions and inhalation of airborne dust may cause irritation of respiratory tract.

EYES: Contact with eyes may cause irritation.

SKIN: This product is not normally absorbed through skin. Contact with cuts or abrasions may cause irritation.

CARCINOGENICITY: The ingredients in this product are not listed as carcinogens, however they may contain crystalline silica (sand). Crystalline silica is classified by IARC as a group 1 carcinogen defined as "carcinogenic to humans", and is classified by NTP as a group 2 carcinogen defined as "substances...that may reasonably be anticipated to be carcinogens." The crystalline silica in these products is primarily washed sand and little to none is expected to be in the respirable size range during normal handling, use and storage.

Section 4 – First Aid Measures

INGESTION: If large amount is ingested, give 2-3 glasses of water and induce vomiting. Seek medical attention.

INHALATION: Remove to fresh air, seek medical attention if condition persists.

EYES: Flush eyes with water for 15 minutes. Seek medical attention if condition persists.

SKIN: Wash with soap and water. If skin irritation persists, seek medical attention.

Section 5 – Fire Fighting Measures

Extinguishing Media: Spread and cool the product, or use suitable media such as water to extinguish source of fire.

Special Fire fighting Procedures: Most all grades of the product are non combustible. A small minority may contain nitrates which, if contaminated with easily oxidizable materials such as hydrocarbons and confined under fire conditions, a potential explosion hazard could exist. Avoid releasing runoff from fire fighting measures into sewers or waterways.

During extremely high temperature fire conditions, product may reach melting point and decompose to release NH₃, SO_x, PO_x, or CN

Section 6 – Accidental Release Measures

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ENVIRONMENTAL PRECAUTIONS: Keep out of water supplies, lakes, ponds, streams and rivers. This product is a fertilizer and may promote algae growth. In addition, large spills on soil areas can cause vegetation kills.

STEPS TO BE TAKEN IN CASE OF SPILLS: Keep from entering waterways. Sweep or mechanically contain and recover the material and place in suitable container for use as a fertilizer or for disposal.

Section 7 – Handling and Storage

Store in a cool, dry area. Prevent spillage and product contamination, especially with strong oxidizers. Keep out of reach of children.

Section 8 – Exposure Controls/ Personal Protection

VENTILATION PROTECTION: Provide adequate ventilation, maintain airborne concentrations below regulatory levels.

RESPIRATORY PROTECTION: Wear approved NIOSH dust respirator when necessary.

PROTECTIVE CLOTHING: Normal clean work clothing. Wear gloves and appropriate clothing to prevent long term skin contact.

EYE PROTECTION: In dusty conditions or around mechanical application/spreading safety glasses with side shields or goggles may be necessary.

GENERAL: After handling or using this product, wash hands and face and any other exposed areas thoroughly with soap and water.

Section 9 – Physical and Chemical Properties

PHYSICAL STATE: Solid, granular.

APPEARANCE: Multi-colored granules

ODOR: Slight acid or ammonia odor possible.

BOILING POINT: N/A

% VOLATILE: N/A

DENSITY: 65-70 lbs/ft³

FLASHPOINT: Not-flammable

pH: 5.5-7.4

SOLUBILITY IN WATER: 80-95%

VAPOR PRESSURE: N/A

Section 10 – Stability and Reactivity

STABILITY: Stable

CONDITIONS TO AVOID: Extremely high temperatures.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY: Strong oxidizing agents, organic materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Ammonia, nitrogen oxides, sulfur oxides, metal oxides, hydrogen chloride.

Section 11 – Toxicology Information

ACUTE ORAL EFFECTS: Oral toxicity (rat) LD₅₀: >500-6000 mg/kg (ingredients range).

Section 12 – Ecological Information

ECOTOXICITY: These products are plant nutrients and are naturally found in soils and water. However, elevated concentrations of this product can cause vegetation kill and toxicity to aquatic life.

Section 13 – Disposal Considerations

DISPOSAL: Recovered materials can be applied to crop areas as fertilizer, if uncontaminated. Follow federal, state and local regulations if disposal is required.

Section 14 – Transportation Information

SHIPPING NAME: Agricultural Fertilizer, not regulated.

HAZARD CLASS: none

REPORTABLE QUANTITY: none

LABELS REQUIRED: none

HAZARDOUS WASTE NUMBER: none

CAS NUMBER: none see ingredients.

DOT NUMBER: none

PLACARD: none

EPA REGISTRATION NUMBER: none

Section 15 – Regulatory Information

Nuisance Dust: OSHA PEL (TWA) 15 mg/m³

Carcinogenicity: By IARC? – no. By NTP? – no.

Section 16 - Other Information

Preparation Date: October, 2001 MSDS Version 1

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