



SODEX TURF NUTRIENT

Product Data Sheet

TETRA CHEMICALS

General Description

Sodex® turf nutrient is a specially formulated blend of 12 percent calcium and 5 percent nitrogen. Its application increases turf growth and reduces susceptibility to diseases by reducing sodium levels in the soil.

Applications

Sodex turf nutrient was developed to help golf course superintendents and turf managers grow and maintain the highest quality turf under increasingly stressful conditions.

By reducing sodium levels in the soil, Sodex:

- Improves water penetration,
- Provides a safe, prolonged greening effect,
- Improves soil tilth and structure, and
- Provides calcium nutrition for increased stress tolerance.

Sodium is often the single most difficult element to manage and potentially the most damaging to soil chemical balance. Sodium is a single charged cation (Na⁺) which can be displaced by double charged cations such as calcium (Ca²⁺).

Soils with high levels of sodium on the clay particle exchange sites causes the particles to break down and fill in the pore spaces of the soil making a seal or barrier to water penetration and salt leaching. Sodex turf nutrient is the most soluble of all calcium amendments which means that the sodium problem is corrected quickly, safely and economically.

Apply 1 to 2 quarts of Sodex liquid calcium treatment per 1000 sq. ft. (10 to 20 gallons per acre). Sodex treatment can be surface applied and irrigated or used in fertigation systems. Sodex turf nutrient can be mixed with most herbicides and nitrogen fertilizers (performing a jar test is recommended).

Warning: Do not mix with sulfates or phosphates.

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Availability

Sodex turf nutrient is available as a bulk liquid.

Safety and Handling

Sodex turf nutrient is a strong calcium chloride solution. Protective clothing, rubber gloves and eye protection are recommended. Rubber safety boots should also be worn in work areas, since calcium chloride can damage leather. This product should be handled in areas with proper ventilation. Before using this product, refer to the MSDS (available on the Company's website) for complete safety and handling guidelines. For proper disposal guidelines for calcium chloride wastes, consult the appropriate local regulatory authorities.

CHEMICAL PROPERTIES	
Chemical	N, CaCl ₂
Appearance	Clear to straw liquid solution
Odor	None
Assay	Typically 12 to 13% by weight CaCl ₂
Density	Approx. 11.3 lb/gal
pH	7.0

TYPICAL ANALYSIS*	
Guaranteed Analysis Calcium (Ca)	12% by weight
Guaranteed Analysis Nitrogen (N)	5% by weight
Chloride (Cl)	22-26% by weight
Arsenic (As)	< 5 mg/kg
Heavy Metals (including Pb)	< 20 mg/kg
Lead (Pb)	< 5 mg/kg
*impurities based on 100% CaCl ₂ basis	