



Material Safety Data Sheet

MacroGro™ 1811 Plus

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Effective date of MSDS: 05-16-08

Emergency Phone: 1-800-424-9300
(CHEMTREC)

Product Identification

Chemical Name: Nutrient/bioaugmentation blend
Trade Name: MacroGro 1811 Plus
CAS Number: NA

Physical Properties

Product: 1811 Plus
pH (1% solution): 5.5 - 6.0
Density (lbs per cu. ft.): 48
Appearance: White, gray, and tan granular powder
Vapor Pressure: NA
Vapor Density: NA

Odor: Slight odor
Boiling Point: NA
Solubility in Water: Partial

Reactivity

Stability: Stable

Incompatibility Material to avoid: Avoid sodium hypochlorite or calcium hypochlorite. Components of this product react with these two chemicals to form the explosive, nitrogen trichloride.

Hazardous Polymerization: Will not occur

Conditions to Avoid: High temperatures.

First Aid

Eyes: Flush eyes immediately and thoroughly with water for at least 15 minutes. If irritation persists, seek medical attention.

Skin: Flush skin immediately with water for at least 15 minutes followed by washing area thoroughly with soap and water. If irritation persists, seek medical attention.

Ingestion: Give large quantities of water, induce vomiting, consult a physician promptly.

Inhalation: Move to fresh air. Treat symptomatically. Seek medical attention.

Hazard Data

Health

Air: None established

Biological: None established

Unusual chronic toxicity: None reported, none suspected

Personal Protection

Respiratory protection: Dust respirators are required.

Adequate ventilation should be available to maintain dust levels below applicable dust standards.

Eyes & face: Safety glasses are recommended.

Hands, arms, and body: Rubber coated gloves and clothing is recommended if there is prolonged or repeated exposure of skin to product.

Other clothing / equipment: Not generally required.

Fire

Flash point: NA

Flammable limits: NA

Under high heat, may give off ammonia (NH₃), nitrogen oxide (NO_x), and/or PO_x fumes. All fire extinguishing agents acceptable. In event of fire, wear self-contained breathing apparatus and full protective clothing.

Precautions / Procedures

Minimize contact of product with eye, skin, and clothing. Avoid using containers, pipes, and fittings made of brass, zinc, copper and aluminum.

Environmental / Hazardous Ingredients

Degradability / Aquatic Toxicity

Product is a fertilizer/bioaugmentation/micronutrient blend. May cause eutrophication in waterways. Proper use and disposal should not cause a significant environmental impact.

EPA hazardous substance: No

Reportable quantity: None

Waste Disposal Methods

Avoid breathing dust. Wear respiratory equipment. For small spills, carefully shovel material into a clean dry container and remove from site. For larger spills, use the same procedure and then contact your proper Federal, State, and Local Regulatory Agency to ascertain proper disposal technique and procedure.

D.O.T. Classification

Not regulated

MSDS

Mixed grade fertilizer, bioaugmentation, micronutrient product.

This product is a non-pressure, non-hazardous, non-flammable, non-regulated, safe-handling powder.

Regulatory Information

TSCA: The components of this product are listed in the TSCA inventory.

SARA: This product contains the following compounds subject to reporting under Section 313 of SARA III and 40 CFR 372.

Ammonia: CAS No. 7664-41-7. Percent by weight in this product is < 5%.

State of California, Proposition 65: No components of this product is listed under State of California Proposition 65 to cause cancer and birth defects or other reproductive harm.

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