



Material Safety Data Sheet

MacroGro™ 1210 Wastewater Nutrient Blend

Environmental Business Specialists, LLC
P.O. Box 1936 • Mandeville, LA 70470-1936
Phone: 985-674-0660 • Fax: 985-674-3483
E-mail: foster@ebsbiowizard.com
Website: www.ebsbiowizard.com

Effective date of MSDS: 05-16-08

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

Product Identification

Chemical Name: Wastewater nutrient blend
Trade Name: MacroGro 1210
Derived from: Aqueous solution of ammonium nitrate, urea, & ammonium polyphosphate
Chemical Formula: NH_4NO_3 , $\text{CH}_4\text{N}_2\text{O}$, $\text{NH}_4(\text{PO}_4)_n$
CAS Number: 6484-52-2
Composition: Nitrogen - 12%, as N
Phosphorus - 10%, as P_2O_5

NFPA "hazard diamond" ratings:
Health: 1; Flammability: 0; Instability: 0;
Special Hazards: OX "oxidizer"

HMIS ratings:
Health: 1; Flammability: 0; Physical Hazard: 0;
Personal Protection: B

Physical Properties

Product: MacroGro 1210
pH (typical): 6.5-7.2
Specific Gravity (@ 60°F): 1.21
Density (lb/gal): 10.07
Appearance: Light green to amber liquid

Odor: Slight ammonia odor
Boiling Point: > 212°F
Vapor Pressure: NA
Vapor Density: NA
Solubility in Water: 100%

Reactivity

Stability: Completely stable
Incompatibility Material to avoid: NA

Hazardous Polymerization: Will not occur
Conditions to Avoid: NA

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. If irritation persists, seek medical attention.

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

Inhalation: Not considered an inhalation hazard.

Hazard Data

Health

Air: None established

Biological: None established

Unusual chronic toxicity: None reported, none suspected

Personal Protection

Respiratory protection: Respirators are not required under normally ventilated conditions.

Eyes & face: Safety glasses are recommended.

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

Other clothing / equipment: Not generally required.

Fire

Flash point: NA

Auto ignition temperature: NA

Flammable limits: NA

Under high heat, may give off ammonia fumes. All fire extinguishing agents acceptable. In event of fire, wear self-contained breathing apparatus. Use water spray to keep containers cool.

Precautions / Procedures

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

Environmental / Hazardous Ingredients

Degradability / Aquatic Toxicity

Solution is a fertilizer. 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

Disposal subject to Federal, State, and Local regulations. Users of this product should review their operations in terms of applicable Federal, State, and Local laws and regulations, then consult with the appropriate regulatory agencies before discharging or disposing of waste material.

D.O.T. Classification

Not regulated

MSDS

Mixed grade fertilizer

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

Regulatory Information

TSCA: The components of this product is 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 6.3%.

Nitrate compounds: CAS No. is not applicable to the class of nitrate compounds. Percent by weight in this product is 10.0%.

Ammonium Sulfate solution: CAS No. 7783-20-2. Percent by weight in this product is <1.0%.

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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