



Material Safety Data Sheet

MacroGro™ 1034

Wastewater Nutrient Blend

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Effective date of MSDS: 05-16-08

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

Product Identification

Chemical Name: Ammonium Polyphosphate Solution
Trade Name: MacroGro 1034
Chemical Family: Wastewater nutrient
Derived from: Phosphoric acid and Anhydrous ammonia

Chemical Formula: $\text{NH}_4(\text{PO}_4)_n$
CAS Number: 68333-79-9

Physical Properties

Ammoniacal nitrogen (N): 10%
Water (H₂O): 56%
pH (typical): 6
Specific Gravity (@ 75°F): 1.4
Density (lb/gal): 11.7
Appearance: Light green to amber liquid
Odor: Ammonia odor

Boiling Point: 212° F
Vapor Pressure: NA
Vapor Density: NA
Solubility in Water: 100%

Reactivity

Stability: Completely stable
Incompatibility Material to avoid: Zinc clad, copper bearing alloys and Aluminum. Water reactive materials.
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 prompt medical attention.
Skin: Flush skin immediately with water. If irritation persists, seek prompt medical attention.
Ingestion: Give large quantities of water, induce vomiting, consult a physician promptly.
Inhalation: Generally 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.

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