Material Safety Data Sheet

P Max Plus

Product and Manufacturer Information

Name: P Max Plus
Synonyms: Liquid Fertilizer
Manufacturer: Rosens's Inc; P.O. Box 933, Fairmont, MN 56031. Phone: 800-792-2000
For Transportation Emergencies call Chemtrec at 800-424-9300
For Other Emergencies call 911 and/or Appropriate Regulatory Agencies
Date of Preparation: 27 December 2011

Composition / Information on Ingredients

Component	CAS #
Ammonium Polyphosphate	14728-39-3
Ammonia	1336-21-6
Phosphoric Acid	7664-38-2
Potassium Hydroxide	1310-58-3
Zinc EDTA	15954-98-0
Copper EDTA	14025-15-1
Manganese EDTA	15375-84-5
Iron EDTA	15708-41-5
Carpramid	34345-47-6

Health Hazard Identification

Skin Contact: May irritate sensitive skin.
Eye Contact: May cause irritation.
Respiration: If breathed as a mist, irritation may occur.
Ingestion: Large volumes may cause diarrhea and diuresis..

First Aid Measures

Skin Contact: Rinse thoroughly with water. Seek medical attention if irritation persists.
Eye Contact: Rinse thoroughly with water for 15 minutes. Seek medical attention if irritation persists.
Respiration: Seek medical attention.
Ingestion: Give large quantities of water and induce vomiting. Seek medical attention.

Fire Fighting Measures

Flash point: does not apply
Extinguishing Materials: All standard agents are acceptable.
Special Hazards and Precautions: Ammonia and Oxides of Nitrogen may be evolved at elevated temperatures.

Accidental Release Measures

Do not allow to enter drains waterways, etc. Contain large spills by diking with soil or other material. Small spills may be covered with an absorbent material. Do not dilute with water or use water to flush material to another location. For uncontrolled or major releases, response by trained personnel using preplanned procedures is recommended. Refer to Exposure Controls / Personal protection to determine proper PPE. Consult applicable regulatory agencies for spill reporting and disposal.

Handling and Storage

Standard conditions are generally acceptable. Long term storage may result in settling of solids and/or formation of crystals. Avoid storage or transfer using copper bearing, zinc-clad, or aluminum vessels or equipment.

Exposure Controls / Personal Protection

Skin exposure should be kept minimal by wearing gloves, long pants, and long sleeved shirts. If splashing may occur, wear protective goggles. Ingestion and respiration of the material are unusual occurrences under typical conditions of use.

Physical and Chemical Properties

Appearance: clear, deep brown-green liquid
Odor: none to slight ammonia
pH: neutral
Freezing Point: ~32F
Boiling Point: ~212F
Solubility in Water: complete
Density: 1.2 g/ml

Stability and Reactivity

This product is stable under normal use and storage conditions. There may be some settling of solids if the material is stored for long periods. This product is not a reactivity or polymerization hazard.

Avoid Zinc or Copper bearing alloys, and Aluminum storage vessels. At elevated temperatures or when mixed with an alkaline material, ammonia will be released. Oxides of Nitrogen and Phosphorous may also be released at elevated temperatures.

Toxicological Information

This material is not known to be a toxicity hazard to animals or humans.

Ecological Information

Ecotoxicity for this product is low. It contains plant nutrients. It incorporates into biological processes.

Disposal Considerations

This product is not defined as a hazardous waste by the U.S.E.P.A. Dispose of this product as recommended by federal, state, and local regulations.

Transport Information

This material is not regulated as a hazardous material by the U.S.D.O.T. Use normal transportation safety precautions.

Regulatory Information

SARA Title III Hazard Class: acute
CERCLA Reportable Quantity: not applicable.
TSCA: not regulated
RCRA Hazardous Waste Classification: not regulated

Disclaimer

This information is accurate to the best of our knowledge, and is furnished without warranty of any kind. Users should determine the suitability of this material for its intended purpose. The user assumes all risks associated with the use of this product.