



Material Safety Data Sheet

Trade Name: Blended Fertilizer Products
EPA Reg. No.: None

SECTION 1	CHEMICAL PRODUCT AND COMPANY INFORMATION
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Manufacturer or Formulator: Knox Fertilizer Co., Inc. P.O. Box 248 Knox, IN 46534	Product Name: Blended Fertilizer Products Common Name: Various Names & Analyses Chemical Type: Inorganic Chemical Fertilizer
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SECTION 2	COMPOSITION/INFORMATION ON INGREDIENTS
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Chemical Name/Synonyms	C.A.S. No.	% WT	TLV	PEL
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This is a granular blended product that contains one or more of the products listed below:

	100%	10 mg/m ³	15 mg/m ³ (Nuisance Dust)
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Ammonium Sulfate	7783-20-2		
Urea or Coated Urea	57-13-6		
Monoammonium Phosphate	7722-76-1		
Diammonium Phosphate	7783-28-0		
Potassium Chloride	7447-40-7		
Potassium Sulfate	7778-80-5		
Potassium Nitrate	7757-79-1		
Micronutrients	Various		

SECTION 3	HAZARDS IDENTIFICATION
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Ingestion: Minimal hazard under normal conditions and use. Ingestion of large quantities may cause gastrointestinal discomfort, vomiting, weakness or other medically related problems.
Inhalation: Dusty conditions may cause mechanical aggravation to respiratory mucous membranes.
Eye Contact: Dusts from this product may cause particulate discomfort to eyes.
Skin Absorption: Not normally absorbed through the skin.
Skin Contact: Slight dermal abrasion is possible with prolonged contact, especially around cuffs and collars.
Effects of Overdose: Ingestion of large doses may cause diarrhea, nausea, abdominal cramps or formation of methemoglobinemia. Seek medical attention.

SECTION 4	FIRST AID MEASURES
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Ingestion: If large amount is ingested, give 2-3 glasses of water and induce vomiting. Seek medical attention.
Inhalation: Remove to fresh air. Seek medical attention if condition persists.
Eyes: Flush eyes with running water for at least 15 minutes. Seek medical attention if condition persists.
Skin: Wash with soap and water. Seek medical attention if condition persists.
Notes to Physician: Consult standard literature. Treatment based on the sound judgment of the physician and the individual reactions of the patient.

SECTION 5**FIRE FIGHTING MEASURES**

Extinguishing Media: Use media suitable to extinguish source of fire.

Special Fire Fighting Procedures: Product is not combustible.

Unusual Fire and Explosion Hazards: During extremely high temperature fire conditions, the product may reach melting point and decompose to release NH₃, SO_x, PO_x or CN

SECTION 6**ACCIDENTAL RELEASE MEASURES**

Environmental Precautions: Keep out of water supplies, lakes, ponds, streams and rivers. This product is a fertilizer and may promote algae growth.

Steps to be taken in case material is released or spilled: Keep from entering waterways. Sweep up material and place in suitable container for use as a fertilizer or for disposal.

SECTION 7**HANDLING AND STORAGE**

Precautions to be taken in handling and storage: Store in a cool, dry area. Prevent spillage and separate from strong oxidizers. Use normal safety procedures and good personal hygiene. Keep out of the reach of children.

SECTION 8**EXPOSURE CONTROLS/PERSONAL PROTECTION**

Ventilation Protection: Adequate ventilation.

Respiratory Protection: Approved dust respirator when necessary.

Protective Clothing: Normal clean work clothing.

Eye Protection: In dusty conditions, safety glasses with side shields or goggles may be necessary.

SECTION 9**PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point: N/A

Density: N/A

Flashpoint: Non-Flammable

pH: N/A

Appearance: Various colored granules; slight odor

Extinguishing Media: Use media suitable to extinguish source of fire.

Solubility in Water: Soluble

% Volatiles (by volume): N/A

Vapor Pressure, mm Hg: N/A

Reaction with Water: N/A

SECTION 10**STABILITY AND REACTIVITY**

Stability (Normal Conditions): Stable

Conditions to Avoid: Extremely high temperatures

Incompatibility (Materials to Avoid): Strong oxidizing agents. Prolonged contact may cause oxidation of unprotected metals.

Hazardous Decomposition Products: During extremely high temperature fire conditions, the product may reach melting point and decompose to release NH₃, SO_x, PO_x or CN

Hazardous Polymerization: Will not occur.

Conditions to Avoid:

SECTION 11**TOXICOLOGY INFORMATION**

SEE: TFI Product Testing Results for component toxicity data.

SECTION 12**ECOLOGICAL INFORMATION**

None Listed

SECTION 13**DISPOSAL CONSIDERATIONS**

Waste Disposal Procedures: Pick up with a shovel and broom and use as a fertilizer by applying to soil using good agricultural and soil management practices.

SECTION 14**TRANSPORT INFORMATION**

Shipping Name: Not regulated by DOT
Hazard Class: None
Reportable Quantity (RQ): None
Labels Required: None
Placard: None

C.A.S. Number: See Ingredients Section
D.O.T. Number: None
Haz Waste No.: None
EPA Reg. No.: None

SECTION 15**REGULATORY INFORMATION**

Carcinogenicity: by IARC?: Yes () No (X) by NTP?: Yes () No (X)

Not on the 302 list of SARA reportable quantities.

SECTION 16**OTHER INFORMATION**

Flash Point: Non-flammable

Flammable Limits:

LOWER

UPPER

N/A

N/A

Autoignition Temperature: Not Applicable

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Reviewed by: Regulatory Affairs Department
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June 2008