



## Material Safety Data Sheet

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

<b>SECTION 1</b>	<b>CHEMICAL PRODUCT AND COMPANY INFORMATION</b>
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<b>Manufacturer or Formulator:</b> Knox Fertilizer Co., Inc. P.O. Box 248 Knox, IN 46534	<b>Product Name:</b> Blended Fertilizer Products <b>Common Name:</b> Various Names & Analyses <b>Chemical Type:</b> Inorganic Chemical Fertilizer
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<b>SECTION 2</b>	<b>COMPOSITION/INFORMATION ON INGREDIENTS</b>
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Chemical Name/Synonyms	C.A.S. No.	% WT	TLV	PEL
<b>This is a granular blended product that contains one or more of the products listed below:</b>				
		100%	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup> (Nuisance Dust)
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			

<b>SECTION 3</b>	<b>HAZARDS IDENTIFICATION</b>
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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.

<b>SECTION 4</b>	<b>FIRST AID MEASURES</b>
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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 NH<sub>3</sub>, So<sub>x</sub>, Po<sub>x</sub> 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 NH<sub>3</sub>, So<sub>x</sub>, Po<sub>x</sub> 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**  
N/A

**UPPER**  
N/A

**Autoignition Temperature:** Not Applicable

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**Reviewed by:** Regulatory Affairs Department  
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