



Tyler Grain and Fertilizer  
Material Safety Data Sheet

Product Code: Blended Commercial Fertilizer

March 1, 2015

Section 1: Product Identity

Product Name: Blended Commercial Fertilizer

Manufacture Info: Tyler Grain and Fertilizer  
3388 Eby Road  
Smithville, Ohio 44677

Current as of January 2015

Section 2: Hazardous Ingredients / Identity Information

Hazardous Component	OSHA PEL	ACGIH TVL
Urea (CAS# 57-13-6)	15 mg/m <sup>3</sup> (Total) 5 mg/m <sup>3</sup> (Respirable)	10 mg/m <sup>3</sup> (Inhalable) 3 mg/m <sup>3</sup> (Respirable)
Diammonium Phosphate (CAS# 7783-28-0)	15 mg/m <sup>3</sup> (Total) 5 mg/m <sup>3</sup> (Respirable)	10 mg/m <sup>3</sup> (Inhalable) 3 mg/m <sup>3</sup> (Respirable)
Potash (CAS# 7447-40-7)	15 mg/m <sup>3</sup> (Total) 5 mg/m <sup>3</sup> (Respirable)	10 mg/m <sup>3</sup> (Inhalable) 3 mg/m <sup>3</sup> (Respirable)
Limestone (CAS# 1317-65-3)	15 mg/m <sup>3</sup> (Total) 5 mg/m <sup>3</sup> (Respirable)	10 mg/m <sup>3</sup> (Inhalable) 3 mg/m <sup>3</sup> (Respirable)

### Section 3: Physical Data

<u>Boiling Point:</u>	NA	<u>Evaporation Rate:</u>	NA	<u>pH:</u>	NA
<u>Vapor Point:</u>	NA	<u>Vapor Pressure:</u>	NA	<u>pH:</u>	NA
<u>Melting Point:</u>	NA	<u>Specific Gravity:</u>	NA	<u>pH:</u>	NA
<u>Solubility ( in Water):</u>	Partially soluble				
<u>Appearance &amp; Odor:</u>	Multi-colored mix, granular, slightest ammonia odor				

### Section 4: Fire and Explosion Hazard Data

<u>Flash Point:</u>	Not Flammable	<u>Flammable Limits:</u>	NA
<u>Extinguishing Media:</u>	Use media suitable for surrounding fires		
<u>Fire Fighting Procedures:</u>	Protective clothing, breathing apparatus (Self-Contained)		

### Section 5: Reactivity Data

### Section 6: Personal Protective Information

## Section 7: Health Hazard Data

Conditions to Avoid: Excessive Heat, greater than 200 degrees Fahrenheit

Incompatibility : Strong oxidizers, caustics, acids, and hypochlorites

Hazardous Decomposition Products: HCN, NO<sub>w</sub>, CO<sub>x</sub>, NH<sub>3</sub>, PO<sub>x</sub>, cyanuric acid  
Product is stable and hazardous polymerization will not occur. May release ammonia on standing.

Respiratory Protection: If required, NIOSH approved particulate respirator

Ventilation: Local exhaust ventilation recommended

Skin Protection: Long sleeves, gloves

Eye Protection: Safety Glasses, goggles, or face shield recommended

Health Hazards: May be irritating to the nose, throat, and respiratory tract, and may cause sore throat, coughing, and shortness of breath. Skin irritation may result; repeated or prolonged skin exposures may result in dermatitis. May also be irritating to the eyes, causing redness and watering. Prolonged eye exposure may cause conjunctivitis and corneal damage. Ingestion may result in sore throat, abdominal pain, nausea, and diarrhea.

Medical conditions aggravated by exposure: Pre-existing eye, respiratory, and skin conditions.

### **First Aid Procedures:**

If Swallowed: If victim is alert and not convulsing, give one glass of water to dilute material, but DO NOT induce vomiting. Seek immediate medical attention.

If Inhaled: Move victim to fresh air. Seek medical attention if irritation persists.

If in the Eyes: Immediately flush with water for at least 20 minutes. Seek medical attention if irritation persists.

On the Skin: Wash the affected areas with soap and water. Seek medical attention if irritation persists. Wash contaminated clothing before re-use.

Carcinogenicity: None of the ingredients are known / listed carcinogens. However, product may contain trace amounts of inorganic fluorides and crystalline silica. Fluorides have been suggested as a reproductive hazard and carcinogen. Crystalline silica is listed by IARC as a potential human carcinogen.

## Section 8: Safe Handling and Precautions

Spill / Release Procedures: Collect spilled product and store to re-use. Contaminated product and/or environmental media should be gathered and disposed of properly.

Water Disposal Method: Dispose of in accordance to all federal, state, and local regulations. Reuse recovered product where possible.

Handling / Storing Precautions: Store in cool, dry, well ventilated area. Do not store above 120 degrees Fahrenheit. DO NOT store near Ammonium Nitrate.

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