



**American Plant Food Corp**  
903 MAYO SHELL ROAD / PO Box 584  
GALENA PARK, TEXAS 77547  
PHONE NUMBER 800-634-2861

**Safety Data Sheet**  
**Custom Blend 16-0-8**  
**50% PolyCoated Urea**

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Custom Blend 16-0-8  
**50% Poly Coated Urea**

**Chemical Name:** Mixture of Inorganic Salts

**Guaranteed Analysis** 16% N, 0% P<sub>2</sub>O<sub>5</sub>, 8% K<sub>2</sub>O, 7% S, 3Fe

**CAS Registry Number:** Not Applicable

**Product Use:** Dry Fertilizer For Soil Application to Improve Plant Growth

**Supplier:** American Plant Food Corp. 903 Mayo Shell Rd, Galena Park, TX 77802  
Telephone: 800-634-2861

**Emergency Phone #s:** FOR CHEMICAL EMERGENCY  
(Spill, Leak, Fire, Exposure or Accident) (800) 424-9300 CHEMTREC  
FOR MEDICAL/HANDLING EMERGENCIES  
INFOTRAC USA: (800) 424-9300 CHEMTREC

## 2. SIGNAL WORD: WARNING



**Irritant**

**EMERGENCY OVERVIEW** (800) 424-9300 CHEMTREC. Not flammable or explosive, but will decompose in extreme heat to produce toxic fumes of oxides of nitrogen ammonia, oxides of phosphorous, and oxides of potassium.

### **MAY CAUSE EYE, SKIN, AND RESPIRATORY IRRITATION.**

- Avoid contact with skin and clothing. Wash after handling.
- Wear appropriate personal protective equipment. (See Section 8 for additional information)

**Appearance and odor:** Mixture of white, grey and red granules

### **POTENTIAL HEALTH EFFECTS (See Section 11 for additional information)**

**Primary Route (s) of Exposure:** Dermal Contact, Eye Contact, Inhalation, Ingestion

**Acute Exposure:**

- Inhalation No known significant effects or critical hazards
- Eye Contact Irritating to eyes
- Skin Contact Practically non-toxic in contact with skin. Irritation to skin.
- Ingestion Practically non-toxic if swallowed.

**Carcinogenicity:** Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.



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Chronic Effect/Developmental Repeated skin exposure can produce local skin destruction or dermatitis. Repeated exposure to the eyes to a low level of dust can produce eye irritation.

Medical Conditions Aggravated: Skin conditions, Eye conditions, Gastrointestinal condition

**POTENTIAL ENVIRONMENTAL EFFECTS (See Section 12 for additional information)**

This material is a water pollutant. Do Not let spilled or leaking material enter waterways.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients (See Section 8 for Exposure Limits)	% (w/w)	CAS Number	Air Threshold Limit Value
Urea	18%	57-13-6	15.00mgCO(NH <sub>2</sub> ) <sub>2</sub> /m <sup>3</sup>
Ammonium Sulfate	32%	7783-20-2	N/D
Potassium Chloride	13%	7447-40-7	N/D
Heat Treated Biosolids	20%	None	N/D
Limestone	9%	1317-65-3	15.00 mg/m <sup>3</sup>
Iron Oxide	>4.5%	1309-37-1	5.00 mg/m <sup>3</sup>
Manganese Oxide	>1%	1317-35-7	5.00 mg mg/m <sup>3</sup>
Iron Sulfate	>1%	7720-78-7	1.00 mg mg/m <sup>3</sup>
Zinc Sulfate	>1%	7733-02-0	10.00 mg/m <sup>3</sup>
Zinc Oxide	>1%	1314-13-2	10.00 mg Zn/m <sup>3</sup>
Calcium Oxide	>1%	1305-78-8	2.00 mg Ca/m <sup>3</sup>
Gypsum	>1.5%	13397-24-5	10.00 mg Ca/m <sup>3</sup>
Silica Dioxide	>1%	7631-86-9	10.00 mg/m <sup>3</sup>

### 4. FIRST AID MEASURES

**Inhalation:** If inhaled, remove to fresh air. If not breathing give artificial respiration. Get medical attention.

**Eye Contact:** Check for and remove any contact lenses. Rinse immediately with plenty of water. Get medical attention.

**Skin Contact:** Wash with soap and water. Get medical attention if symptoms occur.

**Ingestion:** Do Not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

### 5. FIRE FIGHTING MEASURES

**Conditions of Flammability:** Non Flammable

**Flash Point (Method):** N/A

**Auto-Ignition Temperature:** N/A

**Extinguishing Media:** This product is not flammable or combustible. If involved in a fire, use water fog or spray, dry chemical, foam or carbon dioxide extinguishing agents.

**Fire Fighting Procedures:** Wear self-contained breathing apparatus, approved by NIOSH. Do not wash material into any streams, waterways, drainage



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ditches, or storm sewers, etc. Impound liquids used in firefighting to prevent entry into streams, ditches, sewers, etc. Not flammable or explosive.

**Fire & Explosion Hazards:**

**Hazardous Combustion Products:**

Oxides of nitrogen, phosphorus and potassium. Ammonia

	Health:	Fire:	Reactivity:	Other:
NFPA Hazard Rating	1	0	0	None
[ 0 – Minimal      1 – Slight      2 – Moderate      3 – High      4 – Extreme ]				

**6. ACCIDENTAL RELEASE MEASURES**

**Spill/Leak:** Safely stop source of spill. Restrict non-essential personnel from area. All personnel involved in spill clean up should avoid skin and eye contact by wearing appropriate personal protective equipment.

**Cleanup:** Sweep up spilled solid material, being careful not to create dust. Return sweepings to stock or, if contaminated, place into a chemical waste container for disposal according to local, state, and/or federal regulations.

**7. HANDLING AND STORAGE**

Store in cool, dry, well-ventilated area away from incompatible substances. Protect from physical damage. Avoid generating dust and the release of dust into the workplace. Refrain from eating, drinking, or smoking in work areas.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Applicable Exposure Limits:**

Chemical Name	OSHA – PELS (mg / m <sup>3</sup> )		ACGIH – TLVs (mg / m <sup>3</sup> )		NIOSH – RELS (mg / m <sup>3</sup> )	
	TWA	STEL/CEIL (C)	TWA	STEL/CEIL (C)	TWA	STEL/CEIL (C)
Urea	15 Total 5 Respirable	N/D	N/D	N/D	N/D	N/D
Ammonium Sulfate	15 Total 5 Respirable	N/D	N/D	N/D	N/D	N/D
Potassium Chloride	15 Total 5 Respirable	N/D	N/D	N/D	N/D	N/D
Limestone	15 Total 5 Respirable	N/D	N/D	N/D	10 Total 5 Respirable	N/D
Heat Treated Biosolids	N/D	N/D	N/D	N/D	N/D	N/D
Iron Oxide	10	N/D	5	N/D	5	N/D
Iron Salts	N/D	N/D	1	N/D	1	N/D
Manganese compounds	N/D	N/D	2	N/D	1	3
Zinc compounds	15 Total 5 Respirable	N/D	2	N/D	5	15
Calcium Oxide	5	N/D	2	N/D	2	N/D
Gypsum	15 Total 5 Respirable	N/D	N/D	N/D	10 Total 5 Respirable	N/D
Silicon Dioxide	15 Total 5 Respirable	N/D	N/D	N/D	10 Total 5 Respirable	N/D





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## 11. TOXICOLOGICAL INFORMATION

### TOXICITY DATA

Ingredient Name	TEST	RESULT	ROUTE	SPECIES
Urea	LD50	8471 mg/kg	ORAL	RAT
Ammonium Sulfate	LD50	3000 mg/kg	ORAL	RAT
Potassium Chloride	LD50	1500 mg/kg	ORAL	MOUSE
	LD50	3750 mg/kg	ORAL	RAT
Iron Sulfate	LD50	1520 mg/kg	ORAL	MUS
	LD50	245 mg/kg	IPR	MUS
	LD50	51 mg/kg	IVN	MUS
Manganese Sulfate	LD50	120 mg/kg	IPR	MUS
Zinc Oxide	LD50	630 mg/kg	ORAL	RAT
Zinc Sulfate	LD50	221 mg/kg	UNR	MAN
	LD50	1260 mg/kg	ORAL	RAT
	LD50	2200 mg/kg	ORAL	MUS
	LD50	200 mg/kg	IPR	RAT
Silica Dioxide	LD50	50 mg/kg	IPN	RAT
	LD50	15 mg/kg	IVN	RAT

- GENERAL:** The form in which this material is sold is considered to be relatively non-toxic.
- SKIN/EYE:** Direct contact may cause local irritation, but is not expected to cause significant tissue damage.
- INHALATION:** Acute inhalation may result in irritation, but is not expected to cause significant harmful effects. Symptoms may include discomfort, coughing, sneezing, and shortness of breath.
- INGESTION:** Ingestion of large doses can irritate the stomach, resulting in abdominal pain, nausea, diarrhea, and vomiting.

## 12. ECOLOGICAL INFORMATION

- Ecotoxicity:** No data available on the mixture. Components within the mixture can be damaging to aquatic organisms.
- Environmental Fate:** Product is not expected to bio accumulate. Release of components in this mixture to the aquatic environment can cause algae growth which may increase turbidity and displace oxygen resulting in a hazard to fish or other marine organisms. Will disperse with the current. Release to watercourses may cause effects down stream from the point of release. Avoid spills or release to watercourse.

## 13. DISPOSAL CONSIDERATIONS



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**Waste &  
Container  
Disposal:**

Do not wash down drain. Put uncontaminated material back into process if at all possible. Place contaminated material in suitable, labeled containers for disposal. Dispose of waste material consistent with the requirements of waste disposal authorities.

**14. TRANSPORT INFORMATION**

<b>Shipping Information:</b>	Not regulated for transport
<b>Required Labels:</b>	N/A
<b>Environmentally Hazardous Substances [49 CFR 172.101, Appendix A]:</b>	N/A

**15. REGULATORY INFORMATION**

<b>Regulatory Lists:</b>		
Ingredients listed on TSCA inventory	Yes	
Hazardous work hazard communication standard	No	
CERCLA Section 103 Hazardous Substances	No	
EPCRA Section 302 Extremely Hazardous Substance	No	
EPCRA Section 311/312 Hazard Categories	No	
EPCRA Section 313 Toxic Release Inventory	No	

**16. OTHER INFORMATION**

<b>Prepared by: Technical Staff</b>	<b>American Plant Food Corp. 903 Mayo Shell Rd, Galena Park, TX 77802 Telephone: 800-634-2861</b>
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