



Product: 20-20-20 PLANT FOOD

EPA Reg. No.: N/A

Effective Date: 07/31/1996

## MATERIAL SAFETY DATA SHEET

Emergency Phone 800/535-5053

Size	Product Number	UPC Code
8 oz.	96808	0 49424 96808 4
1½ lb.	96815	0 49424 96815 2
3 lb.	96830	0 49424 96830 5

**Note:** Be sure to compare the EPA registration number as given on the MSDS with the EPA registration number as given on the label as some products have had the active ingredients changed without a corresponding change in the UPC number or in the item description.

### 1. INGREDIENTS:

1. Urea, Organic or Ammoniated Nitrogen Sources.
2. Ammoniated or Mineral Phosphates.
3. Salts or Sulfate Sources of Potash or Potash.
4. Inert granule Physical Conditioners-Extenders and/or Minor Nutrient, Chelate or Trace CAS No. 68333-79-9 Mineral Nutrient plant food mixtures.

### 2. PHYSICAL DATA:

PHYSICAL FORM: Water Soluble Granules.  
COLOR: Yellow Green  
ODOR: Fertilizer Salt  
SOLUBILITY: Generally, slowly soluble in soil and water.  
FLASH POINT: 400°F (CC Test Method)

### 3. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: 400°F  
EXTINGUISHING MEDIA: Water, Foam or CO<sub>2</sub>  
SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective clothing and self contained breathing apparatus.  
UNUSUAL FIRE OR EXPLOSION HAZARDS: Urea may decompose to cyanuric acid, ammonia, hydrogen cyanide, and nitrogen oxides. Hydrogen sulfide is a reaction product and is toxic and explosive. Sulfur dust will explode at a minimum concentration of 35 g/m<sup>3</sup> air.

### 4. ENVIRONMENTAL AND DISPOSAL INFORMATION:

STABILITY: Stable  
CONDITIONS TO AVOID: Do not allow bags to become wet. Avoid heating above 212°F (100°C). Urea decomposes to biuret, cyanuric acid, ammonia, and carbon dioxide. Hydrogen sulfide is a reaction product. Nitrogen oxides may form in fire conditions. Hydrogen cyanide may be formed.

### 5. HEALTH HAZARD DATA:

STORAGE: Store product in its original labeled container in a cool dry, locked place out of reach of children.  
STORAGE TEMPERATURES: No requirement  
SHELF LIFE: Five to six years of good physical condition if stored properly.  
DISPOSAL: Do not contaminate water, food or feed by storage or disposal. If product cannot be used according to instructions excess product may be disposed of on site or at an approved waste disposal facility.



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CONTAINER DISPOSAL:

Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

SPILL PROCEDURES:

Sweep-up and place product back into labeled bag. Use according to instructions or use disposal procedures.

**6. FIRST AID:**  
INGESTION:

Induce vomiting by giving victim 1 or 2 glasses of water and touching back of throat with finger. **DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON.**

EYES:

Flush eyes with plenty of water.

SKIN:

Remove contaminated clothing and wash affected area with soap and water.

INHALATION:

Remove to fresh air. If discomfort continues, seek medical attention.

**7. HANDLING PRECAUTIONS:**  
PRECAUTIONARY MEASURES:  
SPILL OR LEAK PROCEDURES:

Protect skin and eyes from airborne dusts.

Sweep up product and replace in labeled container. Use product according to directions for use or dispose of as directed on label.

RESPIRATOR TYPE:

None needed with adequate ventilation or out-of-doors. If inadequate ventilation where dust concentrations exceed recommended Permissible Exposure Limits use NOISH approved dust respirators.

GLOVES:

None needed.

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