



## Safety Data Sheet

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### 1. Identification

**Product Name** : FULLSCALE (IL, WI)  
**Synonyms** : None  
**Product Use** : Ammonia Free Nutrient Solution  
**Manufacturer/Supplier** : Helena Agri-Enterprises, LLC  
**Address** : 225 Schilling Blvd. Collierville, TN 38017  
**General Information** : 901-761-0050  
**Transportation Emergency Number** : CHEMTREC:800-424-9300

### 2. Hazard Identification

**Signal Word** : None (no symbol)  
**Skin Irritation** : Not classified as hazardous under 29 CFR 1910.1200 (2012)  
**Eye Irritation** : Not classified as hazardous under 29 CFR 1910.1200 (2012)  
**Acute Toxicity Oral** : Not classified as hazardous under 29 CFR 1910.1200 (2012)  
**Acute Toxicity Dermal** : Not classified as hazardous under 29 CFR 1910.1200 (2012)  
  
**Hazard Categories** : Not classified as hazardous under 29 CFR 1910.1200 (2012)  
  
**Hazard Statement** : Not Hazardous

### 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Water solution of plant nutrients derived from urea, corn stillage, corn steep liquor, sodium molybdate, manganese EDTA, zinc EDTA and kelp.	Proprietary	100.00
GUARANTEED ANALYSIS:		
Total Nitrogen (N):		3.0%
2.0% Urea Nitrogen		
1.0% Other Water Soluble Nitrogen		
Soluble Potash (K <sub>2</sub> O):		3.0%
Manganese (Mn):		0.5%
0.5% Chelated Manganese		
Molybdenum (Mo):		0.2%
Zinc (Zn):		0.5%
0.5% Chelated Zinc		

### 4. First Aid Measures

**Eye** : Rinse eyes with water, hold eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.  
**Skin** : Immediately take off all contaminated clothing. Areas of the body that have come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap. Wash the body thoroughly.  
**Inhalation** : Remove victim to fresh air and keep warm and at rest.  
**Ingestion** : Obtain immediate medical attention. Never give anything by mouth to an unconscious person. If person is conscious, rinse mouth with water and then give plenty of water to drink. Do not induce vomiting unless instructed to do so by medical personnel.  
**Indication of Immediate Medical Attention and Special Treatment Needed** : In case of accident or unwellness, seek medical advice immediately.

### 5. Fire Fighting Measures



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**Extinguishing Media** : Use water or carbon dioxide extinguishing agents.  
**Specific Hazards Arising from the Chemical** : At high temperatures and in case of fire, carbon oxides and nitrogen oxides.  
**Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing.

### 6. Accidental Release Measures

**Personal Precautions** : Ensure adequate ventilation. Keep unprotected and unnecessary personnel out of spill area.  
**Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.  
**Emergency Procedures** : Do not allow to enter into soil or subsoil. Do not allow to enter into surface water or drains.  
**Methods and Materials for Containment and Cleanup** : Cover spilled product with inert absorbent material. Collect using a shovel and broom. Place in suitable containers for reuse or disposal.

### 7. Handling and Storage

**Precautions for Safe Handling** : Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while handling.  
**Conditions for Safe Storage** : Store in adequately ventilated area. Keep away from food, drink and feed. Avoid contact with acids, bases, oxidizing and reducing agents.

### 8. Exposure Controls / Personal Protection

**TLV/PEL** : No occupational exposure limit available.  
**Appropriate Engineering Controls** : General and/or local exhaust should be sufficient.  
**Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.

### 9. Physical and Chemical Properties

**Odor/Appearance** : Black liquid; odor not described.  
**Flash Point, °F** : No data available  
**Boiling Point, °F** : No data available  
**Melting Point(Freezing point), °C** : No data available  
**Vapor Pressure, mm Hg @ 20 °C** : No data available  
**Vapor Density** : No data available  
**Solubility in Water** : Soluble  
**Molecular Formula** : Not applicable, formulated mixture.  
**Density, g/mL @ 25 °C** : 1.2 (10.0 lbs/gal)  
**Evaporation Rate(Butyl Acetate = 1)** : No data available  
**Octanol/Water Partition Coefficient** : No data available  
**pH** : 6.0 to 7.0  
**Flammable Limits (approximate volume % in air)** : No data available  
**Auto-ignition Temperature** : Not applicable  
**Decomposition temperature** : No data available



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### 10. Stability and Reactivity

- Reactivity** : Not reactive
- Chemical Stability** : Stable
- Hazardous Decomposition** : At high temperatures and in case of fire, carbon oxides and nitrogen oxides.
- Products**
- Hazardous Polymerization** : Will not occur
- Conditions to Avoid** : Avoid high temperatures.
- Incompatible Materials** : Acids, bases, oxidizing and reducing agents.

### 11. Toxicological Information

- Acute Toxicity (Oral LD50)** : No LD50 available. Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Acute Toxicity (Dermal LD50)** : No LD50 available. Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Acute Toxicity Inhalation LC50** : No LC50 available. Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Likely Routes of Exposure** : Skin, eyes
- Skin Irritation** : Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Eye Irritation** : Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Skin Sensitization** : No information found
- Carcinogenic** : No information found
- Chronic Effects** : No information found
- Other Hazards** : CA PROPOSITION 65 WARNING: No listed ingredient appears on the CA PROPOSITION 65 WARNINGS LISTING.

### 12. Ecological Information

- Ecotoxicity** : No information found
- Persistence and Degradability** : No information found
- Bioaccumulative Potential** : No information found
- Mobility in Soil** : No information found
- Other Adverse Effects** : No information found

### 13. Disposal Considerations

- Waste Disposal Method** : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

### 14. Transport Information

- UN Proper Shipping Name** : Not regulated by DOT, IATA or IMDG.
- Transport Hazard Class** : None
- UN Identification Number** : None
- Packaging Group** : None
- Environmental Hazards** : No information found
- Transport in Bulk** : No information found
- Special Precautions for Transportation** : No information found



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**Freight Classification** : Fertilizing Compound, (Manufactured Fertilizer), Liquid, NOIBN (NMFC Item 68140, Sub 6, Class 70)

### 15. Regulatory Information

**National Fire Protection  
Association Rating**

Health: 0 Fire: 0 Reactivity: 0  
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

**S.A.R.A Title III Hazard  
Classification (Yes/No)**

Immediate( Acute) Health: N  
Delayed (Chronic) Health: N  
Sudden Release of N  
Pressure:  
Fire: N  
Reactive: N

### 16. Other Information

**Data of Preparation/Revision** : 09-April-2020