



## Safety Data Sheet

Report Date 27-Jun-21

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### 1. Identification

**Product Name** : N-FIXX DURO  
**Synonyms** : None  
**Product Use** : Fertilizer additive for nitrogen stabilization  
**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** : Danger  
**Skin Irritation** : Causes skin irritation  
**Eye Irritation** : Causes serious eye damage  
**Acute Toxicity Oral** : No LD50 data available  
**Acute Toxicity Dermal** : No LD50 data available  
  
**Hazard Categories** : Oral/Dermal/Inhalation/Reproductive Toxicity-5/5/5/1B; Eye/Skin Irritation-1/2; STOT,Single-3  
  
**Hazard Statement** : May be harmful if swallowed  
May be harmful in contact with skin  
May be harmful if inhaled  
Causes serious eye damage  
Causes skin irritation  
May cause respiratory irritation  
May damage fertility or the unborn child

### 3. Composition / Information on Ingredients



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Component	CAS Number	Weight %
A proprietary blend of N-(n-butyl)-thiophosphoric triamide (NBPT), NBPT Carbamide/Methanal Reaction product, hydroxyphenolic acids, diols, glycol diols, pyrrolidones, polyethoxylated hydroxyalkanes, and dimethylpolysiloxane.	Proprietary	100.00

### 4. First Aid Measures

<b>Eye</b>	: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
<b>Skin</b>	: Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs, get medical attention. Launder contaminated clothing before reuse.
<b>Inhalation</b>	: Move to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or doctor if you feel unwell.
<b>Ingestion</b>	: Rinse mouth with water. Get medical attention if symptoms occur.
<b>Indication of Immediate Medical Attention and Special Treatment Needed</b>	: Treat symptomatically. Symptoms may be delayed.

### 5. Fire Fighting Measures

<b>Extinguishing Media</b>	: Use water fog, water spray, carbon dioxide or foam extinguishing agents. Do not use water jet as an extinguisher as this will spread the fire.
<b>Specific Hazards Arising from the Chemical</b>	: Fire may produce irritating, corrosive and/or toxic gases.
<b>Special Fire Fight Proc</b>	: Wear self-contained breathing apparatus and full protective clothing. Evacuate personnel to safe area.

### 6. Accidental Release Measures

<b>Personal Precautions</b>	: Avoid inhalation of vapors and spray mist and contact with skin and eyes. Ensure adequate ventilation.
<b>Protective Equipment</b>	: 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.
<b>Emergency Procedures</b>	: Dike spill to prevent spreading in soil or contamination of water supplies, drains or sewers.
<b>Methods and Materials for Containment and Cleanup</b>	: Absorb liquids with an inert material and collect for disposal. Scrub contaminated hard surfaces with detergent and water. Prevent cleanup water from entering sewers, waterways or low lying areas. Soak up cleanup liquid with absorbent material, collect and place in containers with product for disposal.



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### 7. Handling and Storage

- Precautions for Safe Handling** : Avoid breathing mist or vapor. Avoid contact with eyes, skin and clothing. Avoid prolonged exposure. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.
- Conditions for Safe Storage** : Store locked up. Store in original, tightly closed container. Store away from incompatible materials, such as acids, strong reducing agents and strong oxidizing agents.

### 8. Exposure Controls / Personal Protection

- TLV/PEL** : No TLV or PEL established for mixture.
- 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** : Clear, dark blue liquid. Odor not specified.
- Flash Point, °F** : Not determined
- Boiling Point, °F** : Not determined
- Melting Point(Freezing point), °C** : Not determined
- Vapor Pressure, mm Hg @ 20 °C** : Not determined
- Vapor Density** : Not determined
- Solubility in Water** : Not determined
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.085
- Evaporation Rate(Butyl Acetate = 1)** : Not determined
- Octanol/Water Partition Coefficient** : No information found
- pH** : Not determined
- Flammable Limits (approximate volume % in air)** : Not determined
- Auto-ignition Temperature** : Not determined
- Decomposition temperature** : Not determined

### 10. Stability and Reactivity

- Reactivity** : No information found
- Chemical Stability** : Stable



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- Hazardous Decomposition Products** : Based on ingredients, emits carbon oxides, nitrogen oxides, sulfur oxides during combustion.
- Hazardous Polymerization** : Will not occur
- Conditions to Avoid** : None currently known
- Incompatible Materials** : Based on ingredients, incompatible with acids, strong oxidizing agents and strong reducing agents.

### 11. Toxicological Information

- Acute Toxicity (Oral LD50)** : No LD50 data available. May be harmful if swallowed.
- Acute Toxicity (Dermal LD50)** : No LD50 data available. May be harmful in contact with skin.
- Acute Toxicity Inhalation LC50** : No LC50 data available. May be harmful if inhaled.
- Likely Routes of Exposure** : Inhalation, eye, skin
- Skin Irritation** : Causes skin irritation.
- Eye Irritation** : Causes serious eye damage.
- Skin Sensitization** : Not classified as a sensitizer based on components.
- Carcinogenic** : Not determined
- Chronic Effects** : Reproductive Toxicity: May damage fertility or the unborn child. Specific Target Organ Toxicity-Single Exposure: May cause respiratory irritation.
- Other Hazards** : CA PROPOSITION 65 **WARNINGS!**: This product can expose you to chemicals including N-methyl-2-pyrrolidone, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### 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 for ground transport.
- Transport Hazard Class** : None



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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  
Freight Classification : Chemicals,. N.O.I. (NMFC Item 43940, Sub 2, Class 85)

### 15. Regulatory Information

National Fire Protection :  
Association Rating

Health: 2 Fire: 1 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: Y  
Delayed (Chronic) Health: Y  
Sudden Release of N  
Pressure:  
Fire: N  
Reactive: N

### 16. Other Information

Data of Preparation/Revision : 27-June-2021