



Safety Data Sheet

Report Date 07-Feb-19

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1. Identification

Product Name : OUTFRONT
Synonyms : None
Product Use : Nutrient Solution, Soil Conditioner, Line Cleaner
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 : Warning (no symbol)
Skin Irritation : Causes mild skin irritation
Eye Irritation : Causes eye irritation
Acute Toxicity Oral : No LD50 data available
Acute Toxicity Dermal : No LD50 data available

Hazard Categories : Oral/Dermal/Inhalation Toxicity-5/5/5; Eye/Skin Irritation-2B/3

Hazard Statement : May be harmful if swallowed
May be harmful in contact with skin
May be harmful if inhaled
Causes eye irritation
Causes mild skin irritation

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Blend of Urea, Plant Based Protein Hydrolysate, and Potassium Hydroxide	Proprietary	85
Ammonium Carboxylates	Proprietary	10
Alkyl Aryl Sulfonates	Proprietary	5
GUARANTEED ANALYSIS:		
Total Nitrogen (N):		3.0%
2.0% Urea Nitrogen		
1.0% Other Water Soluble Nitrogen		
Soluble Potash (K ₂ O):		7.0%

4. First Aid Measures

Eye : Rinse immediately with plenty of water and seek medical advice.
Skin : Wash affected area with plenty of soap and water. Get medical attention if irritation persists.
Inhalation : Move to fresh air. Keep warm and at rest.
Ingestion : Do not induce vomiting. Give large amounts of water and obtain immediate medical attention. If vomiting occurs, keep head lower than hips to prevent aspiration.
Indication of Immediate Medical Attention and Special Treatment Needed : Treat symptomatically.

5. Fire Fighting Measures

Extinguishing Media : Water spray, carbon dioxide.



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Specific Hazards Arising from the Chemical : Do not inhale explosion and combustion gases. Burning produces smoke containing carbon oxides, nitrogen oxides.
Special Fire Fight Proc : Wear self-contained breathing apparatus and full protective clothing. Collect contaminated fire fighting water separately. Do not discharge into drains.

6. Accidental Release Measures

Personal Precautions : Keep unprotected and unnecessary personnel out of spill area. Ensure adequate ventilation.
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 : If uncontaminated, collect and place in plastic containers then reuse as fertilizer. If contaminated, cover spilled product with absorbent material (e.g., soil, sand). Collect using a shovel and broom, then place in suitable containers for disposal.

7. Handling and Storage

Precautions for Safe Handling : Keep container tightly closed and do not allow water to be introduced into it.
Conditions for Safe Storage : Store in a dry place. Temperatures below 25°F may result in product crystallization. The product will readily reconstitute, however, with warmer temperatures and gentle agitation of the container. Do not contaminate water sources by cleaning of equipment or disposal of spray waste.

8. Exposure Controls / Personal Protection

TLV/PEL : No occupational exposure limits 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 : Dark brown liquid; odor not specified.
Flash Point, °F : Mixture not yet tested
Boiling Point, °F : Mixture not yet tested
Melting Point(Freezing point), °C : Mixture not yet tested
Vapor Pressure, mm Hg @ 20 °C : Mixture not yet tested
Vapor Density : Mixture not yet tested
Solubility in Water : Mixture not yet tested
Molecular Formula : Not applicable, formulated mixture.
Density, g/mL @ 25 °C : 1.211
Evaporation Rate(Butyl Acetate = 1) : Mixture not yet tested
Octanol/Water Partition Coefficient : Mixture not yet tested
pH : 7.2
Flammable Limits (approximate volume % in air) : Mixture not yet tested
Auto-ignition Temperature : No information available
Decomposition temperature : Mixture not yet tested



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10. Stability and Reactivity

- Reactivity** : Not reactive
- Chemical Stability** : Stable
- Hazardous Decomposition** : Under fire conditions, produces smoke containing carbon oxides, nitrogen oxides.
- Products** : oxides.
- Hazardous Polymerization** : Will not occur
- Conditions to Avoid** : Mixture not yet tested.
- Incompatible Materials** : Acids, bases.

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** : Skin, eyes
- Skin Irritation** : Causes mild skin irritation.
- Eye Irritation** : Causes eye irritation.
- Skin Sensitization** : Mixture not yet tested.
- Carcinogenic** : Mixture not yet tested.
- Chronic Effects** : Mixture not yet tested.
- Other Hazards** : CA Proposition 65: No ingredients appear on the CA PROPOSITION 65 WARNINGS list.

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



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15. Regulatory Information

National Fire Protection :
Association Rating

Health:

1

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: Y

Delayed (Chronic) Health: N

Sudden Release of N

Pressure:

Fire: N

Reactive: N

16. Other Information

Data of Preparation/Revision : 07-February-2019