

Report 30-May-15 Date

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Identification

Product Name: HELENA 19-1-6

Synonyms: None

Product Use: Foliar Fertilizer for Turf Manufacturer/Supplier: Helena Chemical Company

Address: 225 Schilling Blvd. Collierville, TN 38017

General Information: 901-761-0050

Transportation Emergency Number: CHEMTREC:800-424-9300

Hazard Identification



Signal Word: Warning

Skin Irritation: May cause irritation with contact.

Eye Irritation: May cause severe irritation to the eyes with direct contact.

Acute Toxicity Oral : May cause irritation to the mouth, throat, esophagus, digestive tract.

Acute Toxicity Dermal: May be harmful if absorbed through skin.

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

Hazard Statement: May be harmful if swallowed

May be harmful in contact with skin Causes serious eye irritation Causes skin irritation May be harmful if inhaled

Composition / Information on Ingredients

Component Blend of plant nutrients derived from

Urea, Potassium Polyphosphate and Potassium Nitrate.

GUARANTEED ANALYSIS:

Total Nitrogen (N): 19%

Available Phosphate (P2O5): 1%

Soluble Potash (K2O): 6%

CAS Number Proprietary

Weight % 100.00

First Aid Measures

Eye: Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes.

Remove contact lenses, if present, after first 5 minutes, then continue rinsing

eye. Call a poison control center or doctor for further treatment advice.

Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance,

then give artificial respiration, preferably mouth-to-mouth, if possible. Call a

poison control center or doctor for further treatment advice.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Rinse

mouth with water. Do not induce vomiting. Do not give anything by mouth if

Attention and Special Treatment

Indication of Immediate Medical : In the event of an adverse response, treatment should be directed toward

control of the symptoms. Needed



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Fire Fighting Measures

Extinguishing Media: Non-combustible liquid. Use extinguishing media suitable for underlying cause

: May produce toxic and irritating fumes under fire conditions.

Specific Hazards Arising from the

Chemical

Special Fire Fight Proc : Wear self-contained breathing apparatus and full protective clothing. Prevent

runoff of fire fighting water to avoid contamination of water supplies.

Accidental Release Measures

Personal Precautions: 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 : Isolate spill area.

Methods and Materials for : Use an inert absorbent, such as clay or sand, to recover spilled material. Sweep

or shovel contaminated absorbent into containers for proper disposal. **Containment and Cleanup**

Handling and Storage

Precautions for Safe Handling: Keep locked up and out of reach of children. Do not contaminate water, food or

feed by storage, handling or disposal. Keep container tightly closed. Do not

allow water to be introduced into the contents of the container.

Conditions for Safe Storage : Store in original container only. Do not store near heat or open flame. Do not

store with oxidizing agents or ammonium nitrate.

Exposure Controls / Personal Protection

TLV/PEL: No TLV or PEL established for mixture.

Appropriate Engineering Controls: General and/or local exhaust is 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.

Physical and Chemical Properties

Odor/Appearance: Clear to hazy, brown to black liquid.

Flash Point, ⁰F : Non-combustible Boiling Point, ⁰F : Not determined

Melting Point(Freezing point), °C : Not determined Vapor Pressure, mm Hg @ 20 °C : Not determined Vapor Density: Not determined

Solubility in Water : Soluble

Molecular Formula: Not applicable, formulated mixture.

Density, g/mL @ 25 °C : 1.210 - 1.230 Evaporation Rate(Butyl Acetate = : Not determined

1)

Octanol/Water Partition : No information found

Coefficient

pH: 2.5 to 3.5



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Flammable Limits (approximate : Not determined volume % in air)

Auto-ignition Temperature : Not determined Decomposition temperature : No information found

10. Stability and Reactivity

Reactivity: No information found

Chemical Stability: Stable

Hazardous Decomposition : May generate toxic and irritating fumes under fire conditions.

Products

Hazardous Polymerization: Will not occur

Conditions to Avoid: None currently known

Incompatible Materials: Avoid contact with alkali or basic materials.

11. Toxicological Information

Acute Toxicity (Oral LD50) : No LD50 available. May be harmful if swallowed.

Acute Toxicity (Dermal LD50) : No LD50 available. May be harmful in contact with skin.

Acute Toxicity Inhalation LC50 : No LC50 available. May be harmful if inhaled.

Likely Routes of Exposure : Skin and eyes

Skin Irritation : Causes skin irritation.

Eye Irritation : Causes serious eye irritation.

Skin Sensitization : Not listed as a sensitizer.

Carcinogenic : Not currently listed.
Chronic Effects : None currently known.
Other Hazards : None currently known.

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 D.O.T.

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 : No information found

Transportation



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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: 2 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 : 30-May-2015