



Safety Data Sheet

Report Date 24-May-15

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1. Identification

Product Name : UTILIZE PK 0-3-2
Synonyms : None
Product Use : Seaweed-based Nutritional Formulation
Manufacturer/Supplier : Helena Chemical Company
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 : May cause slight and momentary irritation of the skin with contact, indicated by redness.
Eye Irritation : May cause mild to moderate irritation of the eyes.
Acute Toxicity Oral : No LD50 available. The preparation is not classified as dangerous.
Acute Toxicity Dermal : No LD50 available. The preparation is not classified as dangerous.
Hazard Categories : Eye Irritation - 2B; Skin Irritation - 3
Hazard Statement : Causes eye irritation
Causes mild skin irritation

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Blend of plant nutrients derived from Potassium Phosphate and kelp extracts (ascophyllum nodosum). GUARANTEED ANALYSIS: Available Phosphate (P2O5): 3% Soluble Potash (K2O): 2%	Proprietary	100.00

4. 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 unconscious.
Indication of Immediate Medical Attention and Special Treatment Needed : In the event of an adverse response, treatment should be directed toward control of the symptoms.

5. Fire Fighting Measures

Extinguishing Media : Aqueous solution. Use extinguishing media suitable for underlying cause of fire.



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Specific Hazards Arising from the Chemical : May emit toxic and irritating fumes under fire conditions.
Special Fire Fight Proc : Wear self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

Personal Precautions : Do not allow unprotected or unnecessary personnel into 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 spilled product to enter waterways or drains.
Methods and Materials for Containment and Cleanup : Collect spilled liquid with an inert absorbent. Sweep or scoop up and place in suitable containers for proper disposal.

7. 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.

8. Exposure Controls / Personal Protection

TLV/PEL : No TLV or PEL established.
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 : Opaque green to brown liquid; slight odor.
Flash Point, °F : Non-combustible
Boiling Point, °F : Not determined
Melting Point(Freezing point), °C : Not determined
Vapor Pressure, mm Hg @ 20 °C : Not applicable
Vapor Density : Not applicable
Solubility in Water : Soluble
Molecular Formula : Not applicable, formulated mixture.
Density, g/mL @ 25 °C : 1.059-1.079
Evaporation Rate(Butyl Acetate = 1) : Not determined
Octanol/Water Partition Coefficient : No information found
pH : 2.82 to 3.52
Flammable Limits (approximate volume % in air) : Not applicable
Auto-ignition Temperature : Not applicable
Decomposition temperature : No information found



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10. Stability and Reactivity

- Reactivity** : No information found
- Chemical Stability** : Stable
- Hazardous Decomposition** : May emit toxic and irritating fumes under fire conditions.
- Products**
- Hazardous Polymerization** : Will not occur
- Conditions to Avoid** : Avoid contact with strong alkaline materials.
- Incompatible Materials** : Avoid contact with strong alkaline materials and strong oxidizing agents.

11. Toxicological Information

- Acute Toxicity (Oral LD50)** : No LD50 available. Not classified as hazardous by ingestion.
- Acute Toxicity (Dermal LD50)** : No LD50 available. No hazard anticipated by skin absorption.
- Acute Toxicity Inhalation LC50** : No LC50 available. Not classified as hazardous by inhalation.
- Likely Routes of Exposure** : Eyes and skin
- Skin Irritation** : May cause slight and momentary irritation of the skin, indicated by redness.
- Eye Irritation** : May cause mild to moderate irritation of the eyes with contact. Symptoms include burning, redness and watering of eyes.
- Skin Sensitization** : Not listed as a sensitizer.
- Carcinogenic** : Not listed by IARC, NTP or OSHA.
- 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 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**
- Freight Classification** : Fertilizing Compound, (Manufactured Fertilizer), Liquid, NOIBN (NMFC Item 68140, Sub 6, Class 70)

15. Regulatory Information



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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 Pressure: N
Fire: N
Reactive: N

16. Other Information

Data of Preparation/Revision : 24-May-2015