

Material Safety Data Sheet

1. Product Information

PrimeraOne APEX-10

Manufactured By:

Nature's Wonder

A division of JSH international, LLC

Phone: 856-234-4540

Product Name: APEX-10

2. Product Identification

Chemical Name: Peat Humic Substance, Naturally derived Polyhydroxy Carboxylic Acids

3. Ingredients

Primary Ingredients: Liquid dispersion of Peat Humic Substances

CAS# of Primary Ingredients:

#1415-93-6, Humic Substances

CAS Definition Humic Substances:

The Brown polymeric product from the decomposition of organic matter and particularly dead plants. This combination of natural polymers may contain aromatic phenolic groups, Carboxy groups, Heterocyclic structures, Hydroxy groups, Long & Short chained Polysaccharides, and Nitrogen.

CAS# of Additional Ingredients:

Water #7732-18-5

NFPA / HMIS: Health - 1, Fire - 0, Reactivity - 0, Specific Hazards - None

DOT Class: Not Regulated

Hazardous Ingredients: None

4. Physical & Chemical

Boiling Point: 212°F

Vapor Pressure: Same as Water

Vapor Density: Same as Water

Evaporation Point: Same as Water

Melting Point: Not Applicable

Specific Gravity: 1.25 to 1.26

pH Concentrated: 4.5 to 5.5

Solubility In Water: Good

Appearance: Dark Brown Liquid

Odor: Almost Odorless

5. Fire & Explosion

Flash Point: > 400°F Cleveland Cup Method

Flammable Limits: Not Applicable

Extinguishing Media: Water, Fog, Foam, Rock Dust

Special Fire Fighting Procedures: None

Unusual Fire & Explosion Hazards: None, does not rapidly absorb oxygen, will not explode if suspended in air and ignition source is present, not subject to spontaneous combustion.

6. Reactivity

Stability: Stable

Conditions To Avoid: Strong Acids, Strong Alkali's

Incompatibility: None

Hazardous Decomposition: When burned, CO, CO², Hydrocarbons

Hazardous Polymerization: None

7. Health Hazards

Medical Conditions Aggravated by Exposure: None

Routes of Entry: Skin (Yes),

Ingestion (Yes), Eyes (Yes)

Emergency & First Aid

Procedures:

1. Eyes, Flush with water for 15 minutes.
2. Brief contact with skin is non-hazardous and product is readily washed from skin using water.
3. Prolonged or repeated exposure to skin may temporarily stain and / or de-fat the skin; wash with mild soap and water, apply skin lotion.
4. May irritate eyes and mouth or other mucous membranes on contact. Rinse immediately and flush remaining product from eyes, mouth and mucous membrane with water.

(Should Irritation for any of these conditions persist contact your Physician immediately)

Signs & Symptoms to Exposure:

Stained skin, dry skin, Irritation of eyes, mouth, or throat.

Carcinogenic Capability:

1. NTP (No)
2. Iarc Monographs (No)
3. OSHA Regulated (No)

8. Precautions for Safe Handling

Spills: Stop material flow at the source. If material is not contaminated it may be recovered. All spill areas should be washed clean.

Waste Disposal Method: Follow all federal, state and local regulations for solid waste disposal.

Storing & Handling:

1. Store between 40°F and 90°F
2. The product will freeze below 32°F should freezing occur, agitate well to re-suspend active ingredients.
3. Product is biologically stable. If the container expands, relieve the pressure as necessary.
4. Do not add materials to the product in storage, biological activity may occur and result in the production of by-products.

9. Special Protection Information

Respiratory Protection: None required

Ventilation: None

Protective Gloves: Recommended

Eye Protection: Protective eye wear recommended.

Protective Clothing: Recommended to prevent staining of clothing.

Work Practices: Keep from splashing

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- This data is not and should not in anyway be taken as a warranty.
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