

# Material Safety Data Sheet

## 1. Product Information

**APEX-10**

**Manufactured By:**

Nature's Wonder

A division of JSH international, LLC

**Phone:** 856-461-2312

**Product Name:** APEX-10

## 2. Product Identification

**Chemical Name:** Acid Peat Extract, 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, CO<sup>2</sup>, 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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- Nature's Wonder believes the data contained herein is factual.
- This data is not and should not in anyway be taken as a warranty.
- This data is not and should not in anyway be taken as representation of legal council.