

Material Safety Data Sheet

1. Product Information

APEX-10
Manufactured By:
Nature's Wonder
Phone: 856-461-2312
Product Name #1: 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, 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

Mail Inquires to: Nature's Wonder
39 Scott Street
Riverside, NJ 08075

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