1. CHEMICAL IDENTIFICATION

Product Name: Carbon Power  
EPA Signal Word: Caution  
Active Ingredient (%): CPPA 0.18%  
Chemical Name: Complex polymeric polyhydroxy acids (CPPA)  
Chemical Class: Plant growth regulator

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Material</th>
<th>PEL</th>
<th>% by weight</th>
<th>ACGIH Other</th>
<th>OSHA TLV</th>
<th>NTP/IARC/OSHA Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAA</td>
<td></td>
<td>0.18%</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>No</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

Notes to Physician
There is no specific antidote if this product is ingested.  
Treat symptomatically.

Symptoms of Acute Exposure
Acute testing demonstrated no eye, skin or inhalation irritation in test animals

Hazardous Decomposition Products
None Known

Physical Properties
Appearance: Dark brown to black liquid  
Odor: Slightly sweet to peanut oil odor

4. FIRST AID MEASURES

If poisoning is suspected, immediately contact a physician, the nearest hospital, or the nearest Poison Control Center.  Tell the person contacted the complete product name, and the type and amount of exposure.  Describe any symptoms and follow the advice given.

Eye Contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes.  Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.  Call a poison control center or doctor for further treatment advice.

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

Notes to Physician:
There is no specific antidote if this product is ingested.  
Treat symptomatically.

Medical Condition Likely to be Aggravated by Exposure
None Known
5. FIRE FIGHTING MEASURES

Flash Point & Method: Not Applicable
Flammable Limits: Not Applicable
Autoignition Temperature: Not Available
Flammability: Non Flammable

Unusual Fire, Explosion and Reactivity Hazards
Not explosive.

In Case of Fire
Use water, dry chemical, foam, or CO2 extinguishing media. Wear full protective clothing. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak
Use adequate ventilation and chemical safety glasses with side shields or chemical goggles, rubber gloves, rubber boots, long-sleeved shirt, long pants, and head covering. For small spills, cover with absorbent (clay, sawdust, straw, kitty litter, etc.) and sweep into an open drum. Close the drum and dispose of properly. For large spills dike the spill to prevent contamination of local water sources. Siphon the majority of the liquid into drums for use or disposal, depending on the circumstances. Clean area as described for a small spill.

7. HANDLING AND STORAGE

Store the material in a well-ventilated, secure area out of the reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco usage, and cosmetic application in areas where there is a potential for exposure to the material. Do not allow the product to freeze. Always wash thoroughly after handling.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingestion: Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling.
Eye Contact: To avoid eye contact, wear safety glasses with side shields or chemical goggles.
Skin Contact: Wear long-sleeved shirt, long pants, chemical resistant gloves, shoes and socks.

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure: >1.0 mm/HG @ 100°C
Relative Density: H2O=1 1.005-1.015 @ 20°C
Solubility in Water: Soluble
Solubility in alcohols: Soluble in Alcohols
pH: 6.5 – 7.5
Freezing Point: 0°C
Boiling Point: 100°C
Odor: Slightly sweet to Peanut oil
Color: Dark brown to black
Physical State: Liquid

10. STABILITY AND REACTIVITY

STABILITY AND REACTIVITY
General: Stable under normal conditions.
Incompatible Materials: None Known
Conditions to Avoid: None Known
Hazardous Decomposition: None Known
Hazardous Polymerization: This product will not polymerize.
11. TOXICOLOGICAL INFORMATION

Acute*

Ingestion:
Oral LD50 (Rat): >5,000 mg/kg body weight (Toxicity Category IV)

Dermal:
Dermal LD50 (Rabbit): >5,050 mg/kg body weight (Toxicity Category IV)

Inhalation:
Inhalation LC50 (Rat): >2.16 mg/l air - 4 hours (Toxicity Category IV)

Eye Contact:
Nonirritating (Rabbit): Toxicity category IV

Skin Contact:
Nonirritating (Rabbit): Toxicity category IV

Skin Sensitization:
Not a sensitizer (Guinea Pig)

*Based on 0.9% TGAI acute testing. End-use product (0.18%) is a further water diluted product.

Mutagenic Potential
None Observed

Reproductive Hazard Potential
None Observed

Chronic/Subchronic Toxicity Studies
Not considered toxic via subchronic or chronic oral exposure based on available published literature studies on major components of CPPA

Carcinogenic Potential
None Observed

Other Toxicity Information
Available published literature studies on major components of CPPA support a lack of developmental and/or reproductive effects.

Toxicity of Other Components
Not Applicable

Target Organs: No specific target organs found in acute, subchronic or chronic studies

<table>
<thead>
<tr>
<th>Active Ingredients</th>
<th>None Observed</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPPA</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Inert Ingredients</th>
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</thead>
<tbody>
<tr>
<td>Major inert ingredient is water. No significant known toxicity.</td>
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</tbody>
</table>

12. ECOLOGICAL INFORMATION

Summary of Effects
Keep out of all water supplies.

Eco-Acute Toxicity*

Aquatic Organisms
Rainbow Trout Acute LC50: >1,000 mg/L
Daphnia magna Acute EC50: >1,000 mg/L

Avian Organisms
Bobwhite Quail Acute LD50: >72 mg a.i./kg body weight. NOEL for mortality and adverse effects: >72 mg a.i./kg body weight
Bobwhite Quail Dietary LC50: >1080 mg a.i./kg feed (201.6 mg a.i./kg body wt./day), NOEC: >1080 mg a.i./kg feed

*Based on tests conducted with 0.9% TGAI
Eco-Chronic Toxicity
Not Available

Environmental Fate
CPPA, the active ingredient in Carbon Power, is derived from natural organic matter. Accordingly, based on studies conducted on its major components, CPPA is biodegradable with a soil DT50 likely in the range of +/- 25-30 days and is unlikely to persist under either aerobic or anaerobic aquatic conditions.

13. DISPOSAL CONSIDERATION

Pesticide Disposal:
If wastes cannot be disposed of by using according to the label directions, they should be disposed of as a hazardous waste at a regulated disposal facility. Open dumping is prohibited.

Container disposal:
Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke. Contact the nearest State Pesticide or Environmental control Agency, or the Hazardous Waste representative at the nearest EPA regional office for guidance.

14. TRANSPORT INFORMATION

DOT Classification
Not Applicable; No Label or Placard Required

B/L Freight Classification
Not regulated

International Transportation
Not Applicable

HAZARD CLASSIFICATION (0-minimal, 1-slight, 2-moderate, 3-serious, 4-severe)

NFPA: HEALTH- 0  FIRE- 0  REACTIVITY- 0

15. REGULATORY INFORMATION

SARA Title III Classification
Section 311/312: Not Applicable
Section 313 chemicals: Not Applicable

Proposition 65
Not Applicable

CERCLA Reportable Quantity (RO)
None

RCRA Classification
Not Applicable

TSCA Status
Listed

OMRI Listed
16. OTHER INFORMATION

The directions for use of this product are believed to be adequate and must be followed carefully. The use of this product is beyond the control of the manufacturer, and, therefore, to the extent consistent with applicable law, no warranty, representation, or guarantee of any kind, expressed or implied, is made as to the effects of such use or any results obtained if not used in accordance with printed directions and established safe practice or if unusual or extraordinary weather conditions occur. To the extent consistent with applicable law, the buyer’s exclusive remedy and manufacturer’s or seller’s exclusive liability in tort or otherwise, shall be limited, at the manufacturer's option, to replacement of, or the repayment of the purchase price for, the quantity of product with respect to which damages are claimed.

The information and recommendations contained herein are based upon data believed to be correct. However there is no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein.

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