

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Activated Coconut Charcoal Powder Raw Material
Synonyms	:	Coconut Activated Powder
INCI name	:	Charcoal Powder
CAS #	:	7440-44-0
Country of Origin	:	France
EINECS #	:	931-328-0
Product use	:	Domestic and Industrial
Supplier	:	New Directions Aromatics Inc.
Address	:	6781 Columbus Road, Mississauga, Ontario, CANADA L5T 2G9
Fax	:	905-362-1926
Telephone number	:	905-362-1915
Emergency phone number	:	(613)-996-6666 CANUTEC 24 HOUR EMERGENCY

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

### GHS Classification

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29CFR1910.1200).

### GHS Label elements, including precautionary statements

Signal: Not applicable

### Hazard statement(s)

Not applicable.

### Precautionary statement(s)

Not applicable.

## 3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Activated Coconut Charcoal Powder	7440-44-0	931-328-0	100 %

## 4. FIRST AID MEASURES

### Eye contact

Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

### Skin contact

Watch out for any remaining product between skin and clothing, watches, shoes, etc.  
Rince with water and soap.  
Remove contaminated clothes.

Obtain medical attention if irritation becomes apparent.

### **Inhalation**

If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.

Fresh air, rest.

Obtain medical attention if cough or respiratory symptoms develop.

### **Ingestion**

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Seek medical attention immediately, showing the label.

Give at least 1/2 L of water to drink.

Obtain medical attention if gastrointestinal symptoms develop.

Do not induce vomiting.

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## **5. FIRE FIGHTING MEASURES**

### **Suitable extinguishing media**

Foam. Dry Powder. Carbon dioxide.

### **Unsuitable extinguishing media**

Water spray, water jet.

### **Special protective equipment and precautions for fire-fighters**

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

### **Special hazards arising from the substance or its combustible products**

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)

- carbon dioxide (CO<sub>2</sub>)

- other decomposition products for the saturated activated carbon.

After a fire, smoldering hotspots within the activated carbon may be present for a long time.

Activated Carbon which has been allowed to smolder for a long time in a confined space may accumulate carbon monoxide above its lower explosion limit.

### **Resulting gases**

Carbon monoxide and Carbon dioxide.

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## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal precautions, protective equipment and emergency procedures.**

Avoid dust formation and ignition sources. Wear suitable protective equipment. Consult the safety measures listed under headings 7 and 8.

### **Environmental precautions**

Prevent any material from entering drains or waterways.

### **Methods and materials for containment and cleaning up**

Retrieve the product by mechanical means (sweeping/vacuuming) : do not generate dust.

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## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

Always wash hands after handling.

Prevent dust generation. Apply good working practices and engineering procedures during discharge.

See the exposure controls and personal protection measures in the section 8.

Prevent access by unauthorised personnel.  
Prevent dust generation.  
Keep away from heat sources.  
Immediately retrieve the product in case of spilling.  
Ensure containment and adequate ventilation.  
Whenever workers enter a vessel containing activated carbon, the oxygen content should be determined and work procedures for potentially low oxygen areas should be followed.

### **Conditions for safe storage, including any incompatibilities**

Keep away from any chemical (solvents and strong oxidisers).  
Keep away from heat sources.  
Store in a well-ventilated area.  
Keep the container away from dampness  
Keep away from heat and in a cool place.  
Store and keep away from any chemical (solvents and strong oxidisers).  
Storage of wet activated carbon in a closed area can deplete oxygen from air.  
Always keep in packaging made of an identical material to the original.  
Store in the closed, original packaging.

## **8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

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### **Exposure controls**

A local exhaust ventilation is required (minimum efficiency 90%).  
Use personal protective equipment that is clean and has been properly maintained.  
Store personal protective equipment in a clean place, away from the work area.  
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

### **Eyes**

Avoid contact with eyes.  
Before handling powders or dust emission, wear mask goggles in accordance with standard EN166.

### **Skin**

Wear suitable protective gloves in the event of prolonged or repeated skin contact.  
Type of gloves recommended :  
- Natural latex

### **Respiratory**

Avoid inhaling dust.  
Type of FFP mask :  
Wear a disposable half-mask dust filter in accordance with standard EN149/A1.  
Category :  
- FFP2  
Particle filter according to standard EN143 :  
- P2 (White)

### **Ingestion**

Not for ingestion.

### **Exposure limit values**

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

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Appearance	:	Black, light powder free from grittiness
Odor	:	Odorless.
Flash point	:	Not Applicable
Relative density	:	Bulk Density: 300-600 kg/m <sup>3</sup>
Partition coefficient	:	Not available.
Decomposition temperature	:	Not determined.

## 10. STABILITY AND REACTIVITY

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### Reactivity

This material presents no significant reactivity hazard.

### Chemical stability

This material is stable under normal conditions.

### Possibility of hazardous reactions

In contact with solvents and strong oxidisers.

### Conditions to avoid

Avoid :

- heating
- heat
- formation of dusts
- humidity

May decompose under the effect of heat.

Dusts can form an explosive mixture with air.

### Incompatible materials

Keep away from :

- strong oxidising agents
- strong acids
- flammable material
- solvents

### Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

## 11. TOXICOLOGICAL INFORMATION

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### Acute toxicity

This material is Non-toxic.

### Carcinogenicity

None of the components of this material are listed as a carcinogen.

### IARC

### Mutagenicity

No data available.

### Reproductive toxicity

No data available.

### Inhalation

Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.

### Skin contact

Adverse skin effects should be prevented by normal care and personal hygiene.

### Eye contact

Possible irritation should be prevented by wearing safety glasses.

## 12. ECOLOGICAL INFORMATION

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### Persistence and degradability

Activated Carbon - HDS type is a refractory material and not amenable to break down by any natural chemical or enzymatic processes.

AC - HDS cannot be rendered into a soluble form capable of being absorbed.  
Therefore it cannot find its way to any cell site where it could be conceivably be biodegraded.

#### **Bio - accumulative potential**

The substance has a very low potential to bioaccumulate in aquatic species (e.g. fish), i.e. a BCF < 10. The substance has no log Kow, the substance size will impede passing membranes (particles with size > 0.5µm) and is not soluble in water. The bioaccumulation study is thus infeasible.

#### **Mobility in soil**

Not available.

#### **Other adverse effects**

Not available.

### **13. DISPOSAL CONSIDERATION**

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Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

### **14. TRANSPORT INFORMATION**

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#### **US DOT Shipping Description (Land)**

Not regulated

#### **IMO-IMDG Shipping Description (Sea)**

Not regulated

#### **IATA Shipping Description (Air)**

Not regulated

### **15. REGULATORY INFORMATION**

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#### **GHS Hazard Statements**

Please refer to section 2.

#### **GHS Precautionary Statements**

Please refer to section 2.

### **16. OTHER INFORMATION**

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#### **Disclaimer & Caution**

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