

SAFETY DATA SHEET (SDS)

Version 2.0 Revision Date : September 20,2024 Print Date : October 28, 2024

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	7440-44-0	931-328-0	100 %
Powder			

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 mediacl attention if gastrintestinal symptoms develop. Do not induce vomiting.

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 (CO2)

- 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.

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.

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

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

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

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 (CO2)

11. TOXICOLOGICAL INFORMATION

Acute toxicity

This material is Non-toxic.

Carcinogenicity

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

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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

Persistence and degradability

Activated Carbon - HDS type is a refractory materail 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 > 0.5μ m) and is not soluble in water. The bioaccumulation study is thus infeasible.

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Mobility in soil

Not available.

Other adverse effects

Not available.

13. DISPOSAL CONSIDERATION

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

14. TRANSPORT INFORMATION

US DOT Shipping Description (Land)

Not regulated

IMO-IMDG Shipping Description (Sea)

Not regulated

IATA Shipping Description (Air)

Not regulated

15. REGULATORY INFORMATION

GHS Hazard Statements

Please refer to section 2.

GHS Precautionary Statements

Please refer to section 2.

16. OTHER INFORMATION

Revision date

September 20, 2024

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Disclaimer & Caution

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