Safety Data Sheet
(Coconut Shell Carbon)
Effective date 10 January 2020

Section 1: Identification

1a Product Names

1b Common Name
Coconut Shell Carbon

1c Intended use
Chlorine and organics removal from water

1d Manufacturer
ResinTech, Inc.

Address
1801 Federal Street,
Camden, NJ 08105 USA

Phone
856-768-9600

Email
ixresin@resintech.com

Section 2: Hazard Identification

2a OSHA Hazard classification
Not hazardous or dangerous

<table>
<thead>
<tr>
<th>Product Hazard Rating</th>
<th>Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health = 0</td>
<td>0 = Negligible</td>
</tr>
<tr>
<td>Fire = 1</td>
<td>1 = Slight</td>
</tr>
<tr>
<td>Reactivity = 0</td>
<td>2 = Moderate</td>
</tr>
<tr>
<td>Special – N/A</td>
<td>3 = High</td>
</tr>
<tr>
<td></td>
<td>4 = Extreme</td>
</tr>
</tbody>
</table>

2b Product description
Black irregular pieces with little or no odor.

2c Precautions for use
Safety glasses and gloves recommended. Wet carbon adsorbs oxygen from air and can cause a hazard in confined spaces. Avoid breathing dust when handling dry carbon. Dust mask or respirator recommended for poorly ventilated spaces.

2c Potential health effects
May cause eye irritation. Ingestion is not likely to pose a health risk. Dust may be mildly irritating.

2d Environmental effects
Little or none.
WARNING
(contains coconut shell carbon)
H320: Causes eye irritation (Category 2B)
H335: May cause respiratory irritation (Category 3)*
* chronic risk from breathing dust

Precautionary Statements
P261: Avoid breathing dust/fume/gas/mist/vapors/spray
P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P333+313: If skin irritation or a rash occurs: Get medical advice/attention.
P337+313: If eye irritation persists get medical advice/attention.
P403+233: Store in a well-ventilated place. Keep container tightly closed.

Please refer to the safety data sheet for additional information regarding this product

ResinTech, Inc.
1801 Federal Street,
Camden, NJ 08105 USA
856-768-9600
Ixresin@resintech.com
**Section 3: Composition/ Information on Ingredients**

3a Chemical name  Coconut shell carbon

3b Ingredients
- Coconut shell Carbon  CAS# 7440-44-0 (80 - 98%)
- Water  CAS# 7732-18-5 (2 – 20%)

**Section 4: First Aid Measures**

4a Inhalation  Dust may be mildly irritating to the upper respiratory tract.

4b Skin  Wash with soap and water - seek medical attention if a rash develops.

4c Eye contact  Wash immediately with water - seek attention if discomfort continues.

4d Ingestion  No adverse effects expected for small amounts, larger amounts can cause stomach irritation. Seek medical attention if discomfort occurs.

**Section 5: Fire Fighting Measures**

5a Flammability  NFPA Fire rating = 1

5b Extinguishing media  Water, CO2, foam, dry powder

5c Fire fighting Procedures  Follow general fire fighting procedures indicated in the work place.

5d Protective Equipment  MSHA/NIOSH approved self-contained breathing gear, full protective clothing.

5e Combustion Products  Carbon oxides and other toxic gasses and vapors.

5f Unusual Hazards  Product is not combustible until moisture is removed. Carbon begins to burn at approximately 230º C. Auto ignition can occur above 500º C.
## Section 6: Accidental Release Measures

<table>
<thead>
<tr>
<th>6a</th>
<th>Personal Precautions</th>
<th>Wear gloves and safety glasses to minimize skin or eye contact.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6b</td>
<td>Incompatible Chemicals</td>
<td>Strong oxidants can create risk of combustion products similar to burning,</td>
</tr>
<tr>
<td>6c</td>
<td>Environmental Precautions</td>
<td>Keep out of public sewers and waterways.</td>
</tr>
<tr>
<td>6d</td>
<td>Containment Materials</td>
<td>Use plastic, paper, or metal containers.</td>
</tr>
<tr>
<td>6e</td>
<td>Methods of Clean-up</td>
<td>Sweep up material and transfer to containers.</td>
</tr>
</tbody>
</table>

## Section 7: Handling and Storage

<table>
<thead>
<tr>
<th>7a</th>
<th>Handling</th>
<th>Avoid prolonged skin contact.</th>
</tr>
</thead>
<tbody>
<tr>
<td>7b</td>
<td>Storage</td>
<td>Store in a dry place (0° to 50° C) in the original shipping container. This product is not thermally sensitive. Freezing does not damage coconut shell carbon.</td>
</tr>
</tbody>
</table>

## Section 8: Exposure Controls/Personal Protection

<table>
<thead>
<tr>
<th>8a</th>
<th>OSHA exposure limits</th>
<th>None noted.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8b</td>
<td>Engineering Controls</td>
<td>Provide adequate ventilation.</td>
</tr>
<tr>
<td>8c</td>
<td>Personal Protection Measures</td>
<td>Safety glasses or goggles. Not required for normal use. Not required for limited exposure but recommended for extended contact.</td>
</tr>
<tr>
<td></td>
<td>Eye Protection</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Respiratory Protection</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Protective Gloves</td>
<td></td>
</tr>
</tbody>
</table>
Section 9: Physical and Chemical Properties

- **Appearance**: Irregular black granular pieces.
- **Flammability or explosive limits**: Flammable above 220º C.
- **Odor**: None.
- **Physical State**: Solid.
- **Vapor pressure**: Not available.
- **Odor threshold**: Not available.
- **Vapor density**: Not available.
- **pH**: Near neutral (6 to 8 typical).
- **Relative density**: Approx 400 grams/Liter.
- **Melting point/freezing point**: Does not melt or freeze.
- **Solubility**: Insoluble in water and most solvents.
- **Boiling point**: Does not boil.
- **Flash point**: >220º C.
- **Evaporation rate**: Does not evaporate.
- **Partition Coefficient (n-octanol/water)**: Not applicable.
- **Auto-ignition temperature**: >220º C.
- **Decomposition temperature**: Above 220º C.
- **Viscosity**: Not applicable.

Section 10: Stability and Reactivity

10a **Stability**: Stable under normal conditions.

10b **Conditions to Avoid**: Wet carbon adsorbs oxygen from air. Contact with strong oxidizing agents can cause rapid combustion.

10c **Hazardous by-products**: Carbon oxides, sulfur oxides, chlorinated hydrocarbons.

10d **Incompatible materials**: Strong oxidizing agents (such as HNO₃).

10e **Hazardous Polymerization**: Does not occur.
Section 11: Toxicological Information

11a Likely Routes of Exposure
Oral, skin or eye contact.

11b Effects of exposure
- Delayed: None known.
- Immediate (acute): None known.
- Chronic: None known.

11c Toxicity Measures
- Skin Adsorption: Unlikely.
- Ingestion: Oral toxicity believed to be low but no LD50 has been established.
- Inhalation: Unknown, vapors are very unlikely due to physical properties (insoluble solid).

11d Toxicity Symptoms
- Skin Adsorption: Mild rash.
- Ingestion: Indigestion or general malaise.
- Inhalation: Dust is a respiratory irritant.

11e Carcinogenicity
None known

Section 12: Ecological information

12a Eco toxicity
Not harmful to plant or animal life.

12b Mobility
Insoluble.

12c Biodegradability
Not biodegradable.

12d Bioaccumulation
Insignificant.

12e Other adverse effects
Not Harmful to the environment.

Section 13: Disposal Considerations

13a General considerations
Material is non-hazardous.

13b Disposal Containers
Most plastic and paper containers are suitable.

13c Disposal methods
No specific method necessary

13d Sewage Disposal
Not recommended

13e Precautions for incineration
May release toxic vapors when burned
Precautions for landfills
Carbon used to remove hazardous materials may then become a hazardous mixture.

Section 14: Transportation Information

14a Transportation Class
Not classified as a dangerous good for transport by land, sea, or air.

14b TDG
Not regulated.

14c IATA
Not regulated.

14d DOT (49 CFR 172.101)
Not Regulated.

14e IMDG
Not regulated

Section 15: Regulatory Information

15a CERCLA
Not regulated

15b SARA Title III
Not regulated

15c Clean Air act
Not regulated

15d Clean Water Act
Not regulated

15e TSCA
Not regulated

15f Canadian Regulations
WHMIS
Not a controlled product
TDG
Not regulated

15g Mexican Regulations
Not Dangerous

Section 16: Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer’s responsibility to ensure that their activities comply with federal, state, and local laws.

16a Date of Revision
10 January 2020