# Material Safety Data Sheet: CarbonFoam PE

## 1. Identification of Substance / Preparation and of Company

<table>
<thead>
<tr>
<th>Trade Name:</th>
<th>CarbonFoam PE60,80,90</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use of Preparation</td>
<td>Structural core for sandwich composites</td>
</tr>
<tr>
<td>Manufacturer</td>
<td>Carbon-Core Corp.</td>
</tr>
<tr>
<td></td>
<td>6812 Spring Hill Rd.</td>
</tr>
<tr>
<td></td>
<td>Ruckersville, VA 22968</td>
</tr>
<tr>
<td></td>
<td>tel. 434-990-9909</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:info@carbon-core.com">info@carbon-core.com</a></td>
</tr>
</tbody>
</table>

## 2. Composition

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Expanded interpenetrating network polymer (IPN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Between a thermoset matrix mainly constituted by Polyether linkages and a thermoplastic polymer</td>
<td></td>
</tr>
<tr>
<td>CAS Number</td>
<td>N/A</td>
</tr>
<tr>
<td>Quantity</td>
<td>100%</td>
</tr>
</tbody>
</table>

## 3. Physical Data

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Rigid foam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Density</td>
<td>-60kg/m³ (5 lb/ft³)</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Does not melt</td>
</tr>
<tr>
<td>Vapor Pressure at 20°C (68°F)</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Insoluble</td>
</tr>
</tbody>
</table>

## 4. Identification of Danger

<table>
<thead>
<tr>
<th>Health Danger</th>
<th>Not dangerous according to the UE criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Danger</td>
<td>Not dangerous according to the UE criteria</td>
</tr>
</tbody>
</table>

## 5. Fire and Explosion Hazard

| Flash Point | >300°C |
| Extinguishing Media | Water, dry chemicals, CO2, foam |
| Special Fire Fighting Procedures | None |
| Special Fire Fighting Protections | Adequate to fire extinguishing |
| Unusual Fire and Explosion Hazard | Dust collecting system must be protected from electrostatic energy accumulation |

Mailing Address: PO Box 332, Keswick VA 22947
Warehouse: 48 Zion Station Court, Troy VA 22974
Tel: 434-510-7115 info@carbon-core.com
6. Health Hazard Data

TLV-TWA: For the dust 10 mg/m³
Effects: Skin Absorption - No hazard known
Eye Contact - In case of contact with eyes, only mechanical annoyances are possible
Inhalation - Long-term exposure may lead to unspecified broncho-pulmonary pathologies but there are no epidemiological evidences
Ingestion - No risk known for small quantities

7. Emergency and First Aid Procedures

Clothes Contact N/A
Eye Contact Consult a physician in case of lasting or painful irritation
Skin Contact N/A
Inhalation Transport to medical facility in case of serious breathing difficulties
Ingestion Consult a Physician only in case of very large amounts swallowed

8. Reactivity Data

Stability Stable
Condition to Avoid Exposure to flames
Chemical Incompatibility None
Hazardous decomposition products None at RT
Hazardous Polymerisation Will not occur

9. Spill or Leak Procedures

Personal Protection N/A
Disposal Method As for all inert solids

10. Special Protection Information

Respiratory Protection Dust mask
Hand Protection Usually not necessary, leather gloves protect from abrasions
Eye Protection Goggles
Skin Protection Usually not Necessary

11. Hazard Classification Information

EEC Classification N/A
Transportation Classification This product is not dangerous for transport
12. Special Precautions

Handling Wear a dust-mask in case of very high dust concentration
Storage Provide adequate fire fight facilities
Chemical incompatibility None

13. Environmental Information

Environmental Behavior In normal conditions, inert
Eco—toxicity N/A (the product is not water soluble)
Behavior in depurative implants of water drain N/A
Content in CSB, BSB e AOX N/A
Precautions Keep the product away from watercourses and water drains or it will penetrate into ground

14. Consideration of Disposal

Follow the UE directions, as well as the local, regional, and national dispositions. According to the local prescriptions, it can be reduced to ashes in appropriate plants. Use the disposal code for the typological and methodological treatments according to the Environmental Protection Agency (EPA). The recycle has to be done according to the national standards and to the environmental protection rules.

15. Regulatory Information

Classification and labeling according to DoT regulation: Not Required
TLV/TWA limits: Not Applicable

16. Other Information

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