

Material Safety Data Sheet: CarbonFoam PE

1. Identification of Substance / Preparation and of Company

Trade Name: CarbonFoam PE60,80,90
Use of Preparation: Structural core for sandwich composites
Manufacturer: Carbon-Core Corp.
6812 Spring Hill Rd.
Ruckersville, VA 22968
tel. 434-990-9909
info@carbon-core.com

2. Composition

Chemical Name: Expanded interpenetrating network polymer (IPN)
Between a thermoset matrix mainly constituted by
Polyether linkages and a thermoplastic polymer
CAS Number: N/A
Quantity: 100%

3. Physical Data

Appearance	-Rigid foam	Melting Point	-Does not melt
Odor	-Odorless	Vapor Pressure at 20°C (68°F)	-N/A
Density	-60 kg/m ³ (5 lb/ft ³)	Solubility in Water	-Insoluble

4. Identification of Danger

Health Danger: Not dangerous according to the UE criteria
Environmental Danger: Not dangerous according to the UE criteria

5. Fire and Explosion Hazard

Flash Point	>300°C
Extinguishing Media	Water, dry chemicals, CO ₂ , 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

6. Health Hazard Data

TLV-TWA:	For the dust	10 mg/m ³
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 bronco-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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