



1. Chemical Product

- a. **Name of product:** Carbon profiles
- b. **Description of product:** Composite carbon fibre – epoxy resin profiles
- c. **Substance/mixture/article:** Article

2. Hazard Identification

- a. **Classification:** This product is not considered to be hazardous in the sense of Directive 67/548/EEC and Directive 1999/45/EC.
- b. **Main Hazards/Harmful Effects:** Hazards that do not directly lead to classification:
 - When it is broken out, short carbon fiber particles may be produced. They may cause short circuits of electrical apparatus.

3. Composition/Information of Components:

- a. **Hazardous Components or Hazardous Complex Substances:** This product including its components is not considered to be hazardous in the sense of the Directive 67/548/EEC and Directive 1999/45/EC.
- b. **Other Substances That are not Considered to be Dangerous to Health and Environment:**

Name	CAS NO.	Content %
Carbon Fiber (PAN-based)	7440-44-0	>60
Cured Epoxy Resin	Registered	<40

4. First Aid

- a. **In case of Contact with Eyes:**
 - In case of dust, thoroughly rinse eyes with clean water for at least 15 minutes. Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.
 - Remove contact lenses if any before continuing to rinse.
 - Do not let the victim rub his eyes.
- b. **In case of Inhalation:**
 - Move victim to fresh air.
- c. **In case of Contact with Skin:**
 - Thoroughly wash the affected area with water until irritation stops.
- d. **In case of ingestion:**
 - Give water to the victim if conscious, but do not make him vomit. In case of vomiting, do not let victim swallow the vomit. Do not give anything to ingest to unconscious or convulsing victims.

5. Measures in Case of Fire:

- a. **Suitable Extinguishing Methods:**
 - Use foam, dry powder, carbon dioxide or water mist.
- b. **Dangerous Combustible Products:**
 - Emission of toxic gases: nitrogen oxide, carbon monoxide.
- c. **Protection of Rescue Teams:**
 - Wear high-pressure self-respiratory protection apparatus.
- d. **Physical and Chemical Data on Flammability and Explosiveness:**
 - Flash point: NA
 - Ignition point: NA
 - Explosiveness lower limits: NA
 - Explosiveness upper limits: NA
- e. **Specific Risks Relating to Firefighting Measures:**
 - When the product is burnt, fine carbon fiber particles may be produced. They may cause electrical short-circuits when contacted to electrical devices.

6. Measures to take In Case of Accidental Dispersion

- a. Individual precautions: NA
- b. Environmental precautions: NA
- c. Precautions when handling dispersed substance: NA

7. Handling and Storage

- a. **Handling:**
 - Technical Measures: Material to be handled with care. Electrically conducting material, do not allow contact with electrical current courses.
 - Handling Precautions: Material to be handled with care – spring effect during unpacking operations.
 - Advise for use and incompatibility with other materials: NA
- b. **Storage:**
 - Storage conditions do not have an influence on the product properties, but it is advised to store the product in a clean and dry place, in its original packaging until unpacking for use.

8. Exposure Control/Individual Protection

- a. **Exposure Limits:** NA
- b. **Individual Protection:** If dust is created and ventilation is inadequate, it is advised to wear a dust mask, eye protection, gloves and clean and dry work attire.
 - Respiratory protection: Use protection mask with P3 type filter in case of dispersion of dust.
 - Hand protection: always wear protective gloves conform to EN 374-1/2/3 and EN 420 when handling the product.

- Eye protection: wear protective goggles or dustproof goggles

9. Physical and Chemical Properties

a. Physical properties:

- Form: Rod
- Odor: Odorless
- Color: Black
- Volumic mass: NA
- Boiling point: NA
- Melting point: NA

Flash point: NA

Self-combusting point: NA

Explosiveness: NA

Steam pressure: NA

Steam density: NA

Density: 1550 kg/m³

b. Solubility: (Solubility and Solvents)

- Water: Insoluble
- Others: Insoluble

c. Others:

- Electricity conducting material

10. Stability and Reactivity

a. Stability

- This product is considered a stable material under normal and anticipated storage and handling conditions.

b. Conditions to Avoid

- Avoid heating above 350 C.

c. Materials to avoid

- Oxidizing agents, strong acids and bases

d. Dangerous Decomposition Products

- Emission of nitrogen oxides and carbon monoxide.

11. Toxicological Information

a. Exposure Risks on Dust

- **Ingestion:** Possible irritation of throat.
- **Inhalation:** Possible irritation of respiratory apparatus.
- **Skin Contact:** May cause irritations
- **Contact with Eyes:** May cause irritations.

12. Ecological Information

- a. Environmental exposure from substance of this product is limited due to the physical form of the product. Carbon fiber is an electrically conductive material. It may cause short-circuit on contacts with electrical devices, especially when dusts are dispersed in the area.

Do not incinerate the product.

13. Considerations concerning disposal

- a. **Product Disposal According to the Regulation on Waste In Force**
 - EWC(European Waste Catalogue): recommendation: 16 03 03
 - 16 kinds of wastes not described on list
 - 16 03 off-specification batches and unused products
 - 16 03 06 organic wastes other than those mentioned in 16 03 05*
- b. **Disposal of polluted Packages according to the Regulation on Waste In Force:**
 - EWC(European Waste Catalogue): recommendation: 15 01 01 and 15 01 02
 - 15 package and packaging wastes, absorbents, wipers, filtering materials and protection attire unspecified elsewhere.
 - 15 01 packages and packaging wastes (including town wastes collected separately)
 - 15 01 01 paper and cardboard packaging
 - 15 01 02 plastic packaging

14. Information Regarding Transportation

- a. **Codes and Classifications of International Regulations:** NA
- b. **Specific Transport Conditions:** NA

15. Regulations Information

- a. **Information On EU Labeling**
 - **Symbols:** NA
 - **Chemical Risk Phrases (R-Phrases):** NA
 - **EINECS No.:** All the components of this product are specified on the lists EINECS or ELINCS, except those mentioned on 67/548/EEC Directive.

16. Other Information

- a. **Type of Revision**
 - Compliance with regulation NO. 1907/2006 (REACH)
 - Last Update: January 2012
- b. **Based on Directive/Regulation**
 - D.67/548/EEC, updated: D.92/32/EEC
 - D.1999/45/EC
 - 2001/118/EC
 - D.2004/73/EC
 - (EC) No. 1907/2006 (REACH)

We believe that the information contained in this safety data sheet is correct to the best of our knowledge. However, the information contained in this sheet is not



exhaustive. Final determination of suitability of any material is the sole responsibility of user. All materials may present unknown hazards and should be used with care. Although certain hazards are described herein, we cannot guarantee that they are the only existing hazards. The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. Users are advised to make their own test to determine safety and suitability of each such product or combination for their own purposes.