

Material Safety Data Sheet

According to 91/155 EC

Printing date 25.04.2003

Reviewed on 25.04.2003

1 Identification of substance:

- **Product details:**
- **Trade name:** *SP CARBON FIBRE (ALL FORMS)*
- **Application of the substance / the preparation** *Auxiliary*
- **Manufacturer/Supplier:**
 SP SYSTEMS LTD
 ST. CROSS BUSINESS PARK
 NEWPORT I.O.W.
 PO30 5WU
 UNITED KINGDOM

TEL.: +44 (0) 1983 828000
 FAX : +44 (0) 1983 828100
 OUT OF HOURS EMERGENCY.: +44 (0) 2392 241208
- **Informing department:** *Product safety department.*

2 Composition/Data on components:

- **Chemical characterization:**
- **CAS No. Designation:**
 7440-44-0 Carbon Fibre
- **Identification number(s):**
- **EINECS Number:** 2311533

3 Hazards identification

- **Hazard designation:** *void*
- **Information pertaining to particular dangers for man and environment** *void*
- **Additional information:**
Handle with care. The material is electrically conductive, and may cause short circuits. Avoid dispersion of loose fibres and dust.

4 First aid measures

- **General information**
*Instantly remove any clothing soiled by the product.
 No special measures required.*
- **After inhalation** *Supply fresh air; consult doctor in case of symptoms.*
- **After skin contact** *Instantly wash with water and soap and rinse thoroughly.*
- **After eye contact** *Rinse opened eye for several minutes under running water. Then consult doctor.*
- **After swallowing** *In case of persistent symptoms consult doctor.*

5 Fire fighting measures

- **Suitable extinguishing agents**
CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Protective equipment:** *No special measures required.*

6 Accidental release measures

- **Person-related safety precautions:** *Wear protective clothing.*
- **Measures for environmental protection:** *No special measures required.*
- **Measures for cleaning/collecting:** *Collect mechanically.*
- **Additional information:** *No dangerous materials are released.*

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7 Handling and storage

- **Handling**
- **Information for safe handling:**
Keep containers tightly sealed.
Ensure good ventilation/exhaustion at the workplace.
Provide suction extractors if dust is formed.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
 - **Components with limit values that require monitoring at the workplace:**
- | | |
|-------------------------------|----------------------|
| Carbon Fibre (50-100%) | |
| OEL | 10 mg/m ³ |
- **Additional information:** The lists that were valid during the compilation were used as basis.
 - **Personal protective equipment**
 - **General protective and hygienic measures**
Avoid contact with the skin.
Wash hands during breaks and at the end of the work.
 - **Breathing equipment:** Use breathing protection in case of insufficient ventilation.
 - **Protection of hands:**



Protective gloves.

- **Material of gloves** Nitrile rubber, NBR
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed safety glasses.

- **Body protection:** Protective work clothing.

9 Physical and chemical properties:

General Information

Form:	Fibres
Colour:	Black
Odour:	Odourless

Change in condition

Melting point/Melting range:	ca. 3550°C
Boiling point/Boiling range:	> 999°C

Flash point:	Not applicable
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Inflammability (solid, gaseous)	Product is not inflammable.
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Danger of explosion:	Product is not explosive.
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- | | |
|---|-----------------------|
| · Density at 20°C | 1 g/cm ³ |
| · Settled apparent density at 20°C | 150 kg/m ³ |
| · Solubility in / Miscibility with | |
| Water: | Unsoluble |
| Organic solvents: | 0.0 % |
| Water: | 0.0 % |
| · Solids content: | 100.0 % |

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of decomposition:** No dangerous decomposition products known

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritant effect.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
The material is not subject to classification according to EC lists in the last version.

12 Ecological information:

- **General notes:** Generally not hazardous for water.

13 Disposal considerations

- **Product:**
- **Recommendation** Smaller quantities can be disposed with household waste.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID-GGVSE Class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

- **Transport/Additional information:** Not dangerous according to the above specifications.

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15 Regulatory information

- **Designation according to EC guidelines:**

The material is not subject to classification according to EC lists and other sources of literature known to us.

Observe the normal safety regulations when handling chemicals

The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).

- **National regulations**

- **Water hazard class:** Generally not hazardous for water.

16 Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing data specification sheet:** Environment protection department.

- **Contact:**

HARALD BEHMER

NICK PARTINGTON

- *** Data compared to the previous version altered.**

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