

MATERIAL SAFETY DATASHEET

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE OF THE COMPANY / UNDERTAKING

Product Identifier:

Carbon Fibre

REACH registration number:

Exempted in accordance with Annex V.7.

Trade Name:

Carbon Fibre

Relevant identified uses of the substance or mixture and uses advised against:

Main applications (non-exhaustive list): ESD systems, reinforcement of composite materials, etc.

Details of the supplier of the safety datasheet:

Flowcrete SA (Pty) Ltd
176 Voortrekker Street, Jacobs, Durban 4052
Tel: +27 31 461 3411
Fax: +27 31 461 3475
Email: southafrica@flowcrete.com

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

This product is classified as ACUTE TOXIC 2 according to criteria defined in the Regulation EC 1272/2008 and irritant according to criteria defined in Directive 67/548/EC.

Regulation EC 1272/2008:

ACUTE TOXIC 2. This product causes serious eye irritation.

Regulation EU (67/548/EEC):

Xi (Irritant)
R36 (Irritating to eyes)
R37 (Irritating to respiratory system)
R38 (Irritating to skin)

Label elements:

Hazard pictogram:





Signal word:
WARNING

Hazard statement(s):
H315 (Causes skin irritation)
H319 (Causes serious eye irritation)
H335 (May cause respiratory irritation)

Precautionary statement(s):
P260 (Do not breathe dust)
P280 (Wear eye protection / face protection)
P285 (Incase of inadequate ventilation wear respiratory protection)
P305 (If in eyes: rinse immediately with plenty of water and seek medical advice)
P501 (Dispose of contents/containers in accordance with local regulation)

Other hazards:

This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Main constituent:

Carbon Fibre

Amount:

Carbon Fibre >97%

CAS number:

No information available.

Other ingredients:

Epoxy coating:
Amount: >0.5%, which is not classified.

Impurities:

None.

4. FIRST AID MEASURES

Description of first aid measures:

Eye contact:

Flush with plenty of water. Seek medical attention if irritation persists.

Inhalation:

Remove casualty from exposure ensuring one's own safety whilst doing so. If irritation is experienced, mouth and throat may be rinsed with water. Particles adhering to the nasal cavity may be rinsed/diluted with saline/plain water. If irritation or asthma-like symptoms persist seek medical attention.

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Ingestion:

Drink water to assist with dilution. Do not induce vomiting. Act immediately in order to prevent further irritation of mouth, throat and stomach mucosa. If symptoms persist, if persistent vomiting occurs or blood tinged vomitus is present, seek medical advice.

Skin contact:

Remove contaminated clothing. Wash immediately with plenty of soap and water.

Most important symptoms and effects, both acute and delayed:

No acute and delayed symptoms and effects are observed.

Indication of any immediate medical attention and special treatment needed if necessary:

No special measure.

5. FIRE-FIGHTING MEASURES

Extinguishing media:

No specific extinguishing media is needed.

Special hazards arising from the substance or mixture:

Not explosive, auto-flammable or flammable. The product itself will not burn. Fibre or dust may glow in an oxygen-containing atmosphere above 350°C. When glowing and during combustion carbon monoxide and carbon dioxide are generated.

Advice for fire fighters:

Self-contained breathing apparatus, protective clothing, protective gloves, helmet.

Exposure controls:

Appropriate engineering controls:

Minimise airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below the specified exposure limit. Apply organisational measures, e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing.

Individual protection measures, such as personal protective equipment (PPE):

Eye protection:

Wear safety glasses with side-shields in circumstances where there is a risk of penetrative eye injuries.

Skin protection:

No specific requirement. For hands, see below. Appropriate protection (e.g. protective clothing, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin.

Hand protection:

Appropriate protection (e.g. protective clothing, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin. Wash hands at the end of each work session.

Respiratory protection:

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In case of prolonged exposure to airborne dust concentrations, wear respiratory protective equipment that complies with the requirements of European or national legislation.

Environmental exposure controls:
Avoid wind dispersal.

6. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Appearance:
Solid

Grain shape:
Fibre

Colour:
Black

Odour:
Odourless

Odour threshold:
Not relevant.

7. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:
Exempted from REACH registration in accordance with Annex V.7.

8. OTHER INFORMATION

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. It is the user's obligation to determine the conditions of safe use of this product.