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Material Safety Data Sheet

1. IDENTIFICATION

1.1 Product Name

Carbon/Carbon Composite

1.2: Supplier:

A.P.Racing,WhelerRoad,Coventry,CV34LB,United Kingdom,+44(0)2476639559

2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1 General

Carbon >99%, lead boron silicate oxidation inhibitor ng protection

2.2 Hazardous Ingredients

None

3. HAZARD IDENTIFICATION

3.1 Physical Hazards

Carbon decomposition in air begins above 400 degrees C, with a release of carbon oxides. At a temperature higher than 1100 degrees C in air, the decomposition of the oxidation inhibiting protection leads to the formation of BCO_3 and $HB0_2$ that reacts with water to form the acid H_2B0_3 in a very small amount.

3.2 Health Hazards

At ambient temperature this product induces no known health hazard. The dust generated by the use of the product induces the same risks as those coming from general industrial dusts (inhalation of the smaller particles). In case of absorption of chemicals on the material, the dust can therefore be a vehicle for the inhalation of these chemicals.

3.3 Environmental Hazards

Low

3.4 Specific Risks

Carbon is a good conductor of electricity. Therefore, if some of the dust of this material is entering into electrical or electronic equipment, it may cause a malfunction due to short circuits.

4. FIRST AID MEASURES

4.1 Inhalation

Remove to fresh air. Obtain medical attention if the person has a known lung pathology.

4.2 Skin Contact (By Dust)

Was affected skin with clear water.

4.3 Eye Contact (By Dust)

Generally flush eyes with water for at least 15 minutes. Move eye ball and keep eyelids wide open whilst flushing. Obtain medical attention if the person feels that the dust is not fully removed.

4.4 Ingestion of Dust

Wash out mouth and give one pint of water to drink.

5. FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media

Foam, Powder, or Pulverised Water

6. ACCIDENTAL RELEASE MEASURES

6.1

This product does not require any particular attention.

7. HANDLING AND STORAGE

7.1 Storage

This product does not require any particular attention.

7.2 Handling

This product does not require any particular attention.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Respiratory Protection

Wear dust masks when dust concentration exceeds occupational exposure limits applicable to industrial dusts. For operations creating dust (for instance machining) a dust collecting device is recommended. The spill of dust by chemicals should be prevented.

8.3 Hand Protection

Wear gloves in order to avoid contaminating hands with the dust.

8.4 Eye Protection

Wear Safety glasses when dust concentration is high or when air speed is high

8.5 Dynamometer Tests

During tests the temperature of material may reach the level of decomposition of the anti-oxidation coating, which can release traces of H₂BO₃ acid. An adequate ventilation of the test room must be implemented.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance

Hard grey solid constituted of carbon fibres mixed with a carbon matrix. The faces coated with Oxidation Inhibiting Protection are brown.

9.2 Odour

None

9.3 Characteristic Temperature

Decomposition in air at a temperature above 400 degrees C, with a release of carbon oxides

9.4 Density

1.6 to 1.8 g/cm³

9.5 Flash Point

Not Applicable

9.6 Solubility in water

None

10. STABILITY AND REACTIVITY

This product is stable at ambient temperature

11. TOXICOLOGICAL INFORMATION

No toxicity of carbon has been reported to date.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

13.1 Disposal Dangers

This product is not characteristic hazardous waste. Follow local government requirements for the proper disposal. Incineration can be a means for disposal.

14. TRANSPORT INFORMATION

Not classified

15. REGULATORY INFORMATION

Not classified

16. OTHER INFORMATION

16.1 Legal Disclaimer.

The information contained herein is based on the present knowledge and experience of A.P. Racing. It in no way constitutes the user's assessment of workplace risk as required by other Health and Safety legislation. A.P. Racing does not, by supplying this information, guarantee or warrant any specific properties or qualities of goods supplied. It is the responsibility of the purchaser to determine whether the goods ordered are fit for any purpose for which they may be required.