



Trade Name Anthracite  
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**1. Identification of the substance/mixture and of the company****1.1 Product identifier**

**Chemical name** Carbon, anthracite  
**Trade name of the substance** Anthracite  
**Identification Number** 68187-59-7  
**Registration number** Not given the registration number because it is exempt from the application of Art 2 Paragraph 7b , according to the arrangement 7 and 10 of Annex V of the REACH Regulation EC 1907/2006 and its amendments to date review of this safety data  
**Synonyms** None.

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

**Identified uses** Carbon-based additive  
**Uses advised against** None known.

**1.3 Details of the supplier of the safety data sheet**

**Business Name** GRAFITOS BARCO, S.A.  
**Address** C/ Conde Fenosa, 21 – 1º  
32300 O Barco de Valdeorras (Orense)  
España  
**Phone** 00 34 988320734  
**E-mail** [grafitosbarco@grafitosbarco.com](mailto:grafitosbarco@grafitosbarco.com)

**1.4 EMERGENCY PHONE**

**Emergency Phone** National Institute of Toxicology: 0034 915620420  
24 h/día

**2. Hazards identification****2.1 Classification of the substance or mixture**

This substance does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

**2.1.1 Major adverse physicochemical, human health and the environment**

**Physical hazards** Not classified for physical hazards.  
**Health hazards** Dust generated during handling and processing can cause irritation to the respiratory system, eyes and skin.  
**Environmental hazards** Accumulation of coal dust and graphite can cause electrical short circuits.

**2.2 Label elements**

This substance does not meet the criteria of classification in accordance with the directive 67/548/CEE with previous amendments.

**2.3 Other hazards**

Not applicable.



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### 3. Composition/information on ingredients

#### 3.1 Substance

##### General information

Chemical name	Content	CAS-No.	EC No.	REACH Registration
calcined anthracite	> 90	68187-59-7	269-111-1	Exempt from registration

**Comments about exposure** All concentrations are expressed in percentages by weight unless ingredient is a gas. Gas concentrations are expressed in percentage by volume.

#### 3.2 MIXTURES

**Information on the mixture** Not applicable

### 4. First aid measures

#### 4.1 Description of first aid measures

**Inhalation** If inhaled large amounts of dust, remove affected person to a place where can breathe fresh air.  
Seek medical attention if necessary.

**Skin contact** Wash with soap and water. If skin irritation or an allergic skin reaction develops, get medical attention.

**Eye contact** If sand in eyes, flush immediately with water.

**Ingestion** Not applicable.

#### 4.2 Most important symptoms and effects, both acute and delayed

Dusts may irritate the respiratory tract, skin and eyes.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Symptomatically Treatment.

### 5. Firefighting measures

#### 5.1 General fire hazards

**Suitable extinguishing media** Use appropriate extinguishing media.

**Unsuitable extinguishing media** None.

#### 5.2 Special hazards arising from the substance or mixture

None.

#### 5.3 Advice for firefighters

**Special protective equipment for firefighters** Use standard firefighting procedures and consider the hazards of other involved materials.

**Special firefighting procedures** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.



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**6. Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel** Avoid generation and spreading of dust. Avoid inhalation of dust and contact with skin and eyes Remove sources of ignition. Wear suitable protective clothing and gloves. See Section 8 for personal protective equipment.  
**For emergency responders** Use personal protection recommended in Section 8 of the SDS.

**6.2 Environmental precautions**

Do not allow material to enter storm or sanitary sewers, groundwater or soil.

**6.3 Methods and material for containment and cleaning up**

Completely moisten the substance spilled, sweep and place in bowl.

**6.4 Reference to other sections**

For personal protection, see Section 8. For waste disposal, see Section 13.

**7. Handling and storage**

**7.1 Precautions for safe handling**

Use ventilation systems designed for this purpose as the primary method for removing air silica dust in the workplace. Use administrative controls such as job rotation and spraying of water to supplement engineering controls and respiratory protection

**7.2 Conditions for safe storage, including any incompatibilities.**

Store in a cool, dry, well ventilated place away from oxidizing agents.

**7.3 Specific end use(s)**

Not available.

**8. Exposure controls/personal protection**

**8.1 Control parameters**

**Occupational exposure limits**

Component	ACGIH, TWA, 8 h, (mg/m <sup>3</sup> )	OSHA, TWA, 8 h, (mg/m <sup>3</sup> )
Coal dust (respirable dust of anthracite)	0.4	2.4

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Recommended monitoring procedures** Follow standard monitoring procedures.

**DNEL** Not available.

**PNEC** Not available.

**8.2 Exposure controls**



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**8.2.1 Appropriate engineering****Controls****8.2.2 Individual protection** Use good ventilation. Avoid generation and spreading of dust.**measures, such as personal****protective equipment****Eye/face protection** Safety glasses or eye protection safety.**Skin protection****Hand protection**

Wear suitable protective gloves to prevent cuts and abrasions. Suitable gloves can be recommended by the glove supplier.

**Other**

Wear appropriate clothing to prevent repeated or prolonged skin contact.

**Respiratory protection**

Use specified dust masks. Seek advice from local supervisor.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**Hygiene measures**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking. Routinely wash work clothing and protective equipment to remove contaminants.

**8.2.3 Environmental exposure**

Environmental manager must be informed of all significant spillages.

**controls****9. Physical and chemical properties****9.1 Information on basic physical and chemical properties**

<b>Physical state</b>	Solid.
<b>Form</b>	Powder, grain.
<b>Colour</b>	Grey.
<b>Odour</b>	Odourless.
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not applicable.
<b>Melting point/freezing point</b>	3050 °F
<b>Boiling point, initial boiling point, and boiling range</b>	4046 °F
<b>Flash point</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Flammability limit - lower (%)</b>	Not applicable.
<b>Flammability limit - upper (%)</b>	Not applicable.
<b>Oxidising properties</b>	Not applicable.
<b>Explosive properties</b>	Not applicable.
<b>Explosive limit</b>	Not applicable.
<b>Vapour pressure</b>	Not applicable.
<b>Vapour density</b>	Not applicable.
<b>Evaporation rate</b>	4 - 8% (0-360 °C)
<b>Relative density</b>	Not applicable.
<b>Solubility (water)</b>	Insoluble.
<b>Partition coefficient (n-octanol/water)</b>	Not applicable.
<b>Decomposition temperature</b>	Not applicable.



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**Bulk density** 2.65.  
**Viscosity** Not available.  
**Percent volatile** Not available.

## 9.2 Other information

No relevant additional information available.

## 10. Stability and reactivity

### 10.1 Reactivity

Stable at normal conditions.

### 10.2 Chemical stability

Material is stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Will not occur.

### 10.4 Conditions to avoid

Dust is combustible, avoid sources of ignition and strong oxidizing agents

### 10.5 Incompatible materials

Contact with molten magnesium compounds such as fluorine, chlorine trifluoride, manganese trioxide, oxygen difluoride or hydrofluoric acid may cause fire or formation of corrosive gases.

### 10.6 Hazardous decomposition products

Toxic fumes of carbon, nitrogen and sulfur oxides.

## 11. Toxicological information

### 11.1 Information on toxicological effects

#### General information

Route of Entry:  
Inhalation: Yes.  
Through Skin: no.  
Ingestion: no.

#### 11.1.1 Acute toxicity

##### Ingestion

Not applicable.

##### Inhalation

Fumes and dust from the product may irritate the respiratory tract. Inhalation of fumes from hot pasta can cause headache, nausea and unconsciousness.

##### Skin contact

Sunlight can cause hyperpigmentation of the skin and contaminated (phototoxic effect.)

##### Eye contact

Dust may irritate the eyes.

#### 11.1.2 Skin

No data available.

#### corrosion/irritation

#### 11.1.3 Serious eye damage/eye irritation

No data available.

#### 11.1.4 Respiratory and skin sensitization

No data available.



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**11.1.5 Germ cell mutagenicity** No data available.  
**11.1.6 Carcinogenicity** No data available.  
**11.1.7 Reproductive toxicity** No data available.  
**11.1.9 Specific target organ toxicity - single exposure** No data available.  
**11.1.10 Specific target organ toxicity - repeated exposure** No data available.  
**11.1.11 Aspiration hazard** Not classified.

## 12. Ecological information

### 12.1 Toxicity

No toxicity data noted for the ingredient(s).

### 12.2 Persistence and degradability

The degradability of the product has not been stated.

### 12.3 Bioaccumulative potential

No data available on bioaccumulation.

### 12.4 Mobility

Not available.

### 12.5 Results of PBT and vPvB assessment

Not available.

### 12.6 Other adverse effects

The product is not expected to be hazardous to the environment.

## 13. Disposal considerations

### 13.1 Waste treatment methods

**Residual waste** Not available.

**Contaminated packaging** Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal. Recover and reclaim or recycle, if practical.

**EU waste code** The Waste code should be assigned in discussion between the user, the producer and the waste disposal company. 10 02 99

**Disposal methods/information** Dispose of waste and residues in accordance with local authority requirements.

## 14. Transport information

### 14.1 ONU NUMBER

The product is not covered by international regulation on the transport of dangerous goods.

### 14.2 OFFICIAL DESIGNATION OF UNITED NATIONS TRANSPORT

The product is not covered by international regulation on the transport of dangerous goods.

### 14.3 CLASS OF PACKAGING

The product is not covered by international regulation on the transport of dangerous goods.



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#### 14.4 PACKAGING GROUP

The product is not covered by international regulation on the transport of dangerous goods.

#### 14.5 ENVIRONMENTAL HAZARDS

The product is not covered by international regulation on the transport of dangerous goods.

#### 14.6 SPECIAL PRECAUTIONS FOR USERS

The product is not covered by international regulation on the transport of dangerous goods.

#### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No information available.

### 15. Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

No information available.

#### 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out.

### 16. Other information

#### Modifications compared to the previous tab

Changes have been made and information has been added to all 16 sections of this SDS.  
The format complies with REACH and its amendment, Regulation (UE) 2015/830.

#### List of abbreviations

ACGIH: American Conference of Governmental Industrial Hygienists  
CAS: Chemical Abstracts Service.  
TWA: Time Weighted Average.  
DNEL: Derived No-Effect Level.  
PNEC: Predicted No-Effect Concentration.  
CLP: Regulation No. 1272/2008.  
DSD: Directive 67/548/EEC.

#### References and data sources

European Chemicals Agency (ECHA).  
Calcined Anthracite Consortium (managed by the European Carbon and Graphite Association (ECGA)).  
Calculation methods and, where appropriate, test data the company itself.

#### Information on training workers

Maintenance personnel and production plant has received information and training on safety instructions in plant and equipment.

#### User Notes

GRAFITOS BARCO S.A. ADVISES THE USERS OF THIS PRODUCT TO STUDY THIS MATERIAL SAFETY DATA SHEET (MSDS) AND BECOME AWARE OF PRODUCT HAZARDS AND SAFETY INFORMATION. TO PROMOTE SAFE USE OF THIS PRODUCT, USERS SHOULD NOTIFY THEIR EMPLOYEES, AGENTS AND CONTRACTORS OF THE INFORMATION ON THIS MSDS AND ANY PRODUCT HAZARDS AND SAFETY INFORMATION.



**Grafitos Barco, S.A.**

## **SAFETY DATA SHEETS**

In accordance with Regulation (CE) No 830/2015 amending  
Annex II of Regulation CE No 1907/2006 (REACH)

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### **Disclaimer Clause**

This information is provided without warranty. It is believed that the information is correct. This information should be used to make an independent determination of methods to protect workers and the environment. Users are responsible for assessing whether the information in this safety data sheet meets the requirements for a specific application than indicated.