



Trade Name Anthracite  
Review Date 26/01/2023  
Versión 4

Page 1 of 8

**SECTION 1. Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

**Chemical name** Carbon, anthracite  
**Trade name of the substance** Anthracite  
**CAS number** 68187-59-7  
**CE number** 269-111-1  
**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** Do not use for other purposes other than those described.

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

**Company name** GRAFITOS BARCO, S.A.  
**Address** C/ Conde Fenosa, 21 – 1º  
32300 O Barco de Valdeorras (Orense)  
Spain  
**Telephone number** 00 34 988320734  
**E-mail address for a competent person responsible for the safety data sheet** [grafitosbarco@grafitosbarco.com](mailto:grafitosbarco@grafitosbarco.com)

**1.4 EMERGENCY TELEPHONE NUMBER**

**Emergency telephone number** 00 34 988320473 (Office hours)

**SECTION 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 (CLP) 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 classification criteria according to EC Regulation 1272/2008 (CLP) or its subsequent amendments.



Trade Name Anthracite  
Review Date 26/01/2023  
Versión 4

Page 2 of 8

**2.3 Other hazards**

This substance does not meet the PBT criteria of annex XIII of the REACH regulation.  
This substance does not meet the vPvB criteria of Annex XIII of the REACH regulation.

The substance is not on the list established pursuant to Article 59(1) for its endocrine-disrupting properties, or has been identified as having endocrine-disrupting properties according to the criteria set out in Delegated Regulation (EU) 2017/ 2100 of the Commission or in Regulation (EU) 2018/605 of the Commission.

**SECTION 3. Composition/information on ingredients****3.1 Substances****General information**

Chemical name	Content	CAS No.	EC No.	REACH Registration number	M-factors and specific concentration limits
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.

**SECTION 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**

Dust may irritate the respiratory tract, skin and eyes.

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

Symptomatic treatment.

**SECTION 5. Firefighting measures****5.1 Extinguishing media**

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

**Unsuitable extinguishing media** None.

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

None.



Trade Name Anthracite  
Review Date 26/01/2023  
Versión 4

**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.

**SECTION 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.

**SECTION 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)**

See section 1.2.

**SECTION 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.



Trade Name Anthracite  
Review Date 26/01/2023  
Versión 4

Page 4 of 8

**PNEC** Not available.

**8.2 Exposure controls****8.2.1 Appropriate engineering controls**

**8.2.2 Individual protection measures, such as personal protective equipment** Use good ventilation. Avoid generation and spreading of dust.

**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 controls**

Environmental manager must be informed of all significant spillages.

**SECTION 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>Melting point/freezing point</b>	3050 °F
<b>Boiling point or initial boiling point and boiling range</b>	4046 °F
<b>Flammability</b>	Not applicable.
<b>Flammability limit - lower (%)</b>	Not applicable.
<b>Flammability limit - upper (%)</b>	Not applicable.
<b>Lower and upper explosion limit</b>	Not applicable.
<b>Flash point</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Decomposition temperature</b>	Not applicable.
<b>pH</b>	Not applicable.
<b>Kinematic viscosity</b>	Not available.
<b>Solubility</b>	Insoluble.
<b>Partition coefficient n-octanol/water (log value)</b>	Not applicable.
<b>Vapour pressure</b>	Not applicable.
<b>Density and/or relative density</b>	Not applicable.



Trade Name Anthracite  
Review Date 26/01/2023  
Versión 4

Page 5 of 8

**Relative vapour density** Not applicable.  
**Bulk density** 2.65.  
**Particle characteristics** Not applicable.  
**Evaporation rate** 4 - 8% (0-360 °C)  
**Oxidising properties** Not applicable.  
**Explosive properties** Not applicable.  
**Percent volatile** Not available.

**9.2 Other information**

**Information with regard to physical hazard classes** Not available.  
**Other safety characteristics** Not available.

**SECTION 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.

**SECTION 11. Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****General information**

Route of Entry:  
Inhalation: yes.  
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****corrosion/irritation**

No data available.



Trade Name Anthracite  
Review Date 26/01/2023  
Versión 4

Page 6 of 8

**11.1.3 Serious eye damage/irritation** No data available.  
**11.1.4 Respiratory or skin sensitization** No data available.  
**11.1.5 Germ cell mutagenicity** No data available.  
**11.1.6 Carcinogenicity** No data available.  
**11.1.7 Reproductive toxicity** No data available.  
**11.1.8 Specific target organ toxicity - single exposure** No data available.  
**11.1.9 Specific target organ toxicity - repeated exposure** No data available.  
**11.1.10 Aspiration hazard** Not classified.

**11.2 Information on other hazards**

**Endocrine disrupting properties** The substance is not on the list established pursuant to Article 59(1) for its endocrine-disrupting properties, or has been identified as having endocrine-disrupting properties according to the criteria set out in Delegated Regulation (EU) 2017/ 2100 of the Commission or in Regulation (EU) 2018/605 of the Commission.  
**Other information** No information available.

**SECTION 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 in soil**

Not available.

**12.5 Results of PBT and vPvB assessment**

This substance does not meet the PBT criteria of annex XIII of the REACH regulation.  
This substance does not meet the vPvB criteria of Annex XIII of the REACH regulation.

**12.6 Endocrine disrupting properties**

The substance is not on the list established pursuant to Article 59(1) for its endocrine-disrupting properties, or has been identified as having endocrine-disrupting properties according to the criteria set out in Delegated Regulation (EU) 2017/ 2100 of the Commission or in Regulation (EU) 2018/605 of the Commission.

**12.7 Other adverse effects**

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

**SECTION 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.



Trade Name Anthracite  
Review Date 26/01/2023  
Versión 4

Page 7 of 8

**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.

## SECTION 14. Transport information

### 14.1 UN NUMBER OR ID NUMBER

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

### 14.2 UN PROPER SHIPPING NAME

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

### 14.3 TRANSPORT HAZARD CLASS(ES)

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

### 14.4 PACKING 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 USER

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

### 14.7 MARITIME TRANSPORT IN BULK ACCORDING TO IMO INSTRUMENTS

No information available.

## SECTION 15. Regulatory information

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

#### UE Regulations

**REACH use authorisations** The substance is not on the SVHC candidate list, nor is it in REACH Annex XIV.

**REACH use restrictions** The substance does not have any Annex XVII restrictions.

### 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out.

## SECTION 16. Other information

**Modifications compared to the previous version** 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) 2020/878.

**Abbreviations and acronyms** ACGIH: American Conference of Governmental Industrial Hygienistics  
CAS: Chemical Abstracts Service.  
TWA: Time Weighted Average.  
DNEL: Derived No-Effect Level.  
PNEC: Predicted No-Effect Concentration.



Trade Name Anthracite  
Review Date 26/01/2023  
Versión 4

Page 8 of 8

CLP: Regulation No. 1272/2008.  
DSD: Directive 67/548/EEC.

**Key literature references and sources for data**

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.

**Advice on any training appropriate for 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.

**Disclaimer**

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.