



Trade name: Metallurgical coke
Review date: 26/01/2023
Version: 2

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SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 PRODUCT IDENTIFIER**

Chemical name: Coke from coal
Trade name of the Substance Metallurgical coke
CAS number 65996-77-2
CE number 266-010-4
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.

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Identified uses Carbon-based additive.
Uses advised against Not used 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 988320473
E-mail address for a competent person responsible for the safety data sheet grafitosbarco@grafitosbarco.com

1.4 EMERGENCY TELEPHONE NUMBER

Emergency telephone number 00 34 988320473 (Office hours)

SECTION 2. HAZARDS IDENTIFICATION**2.1 CLASIFICATION OF THE SUBSTANCE OR MIXTURE**

Not required. Properties not dangerous.

2.1.1 Major adverse physicochemical, human health and the environment

Health hazards **Inhalation:** Coke can produce dust that irritates the respiratory tract, more for his physical form by their chemical nature.
Ingestion: Not likely. Not toxic by ingestion.
For skin contact: prolonged contacts can cause irritation.
Contact with eyes: Dust can cause conjunctivitis coke.

Environmental hazards Requirement levels are not proposed.



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2.2 Label elements

This substance does not meet the classification criteria according to EC Regulation 1272/2008 (CLP) or its subsequent amendments.

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

Chemical composition:

Is the product obtained by distillation of coals in the special "coke batteries". Coke typical analysis is as follows:

Compound	CAS/CE No	Content %	REACH registration number	CLP Classification	M-factors and specific concentration limits
Metallurgical coke	65996-77-2 / 266-010-4	100 %	Exent	-	-
Carbon:	7440-44-0 / 231-153-3	86-90%	-	-	-
Ash:	-	10-12%	-	-	-
Volatile:	-	1-2%	-	-	-
Sulfur:	7704-34-9 / 231-722-6	0,6-0,8%	-	Skin Irrit. 2 H315	-

*See full text of hazard statements (H phrases) in section 16.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice:	Consult a doctor if symptoms persist.
Inhalation	Remove the person from the area where outdoor inhaled. Administer oxygen, if necessary. Seek medical help if necessary.
Skin contact	In case of contact, wash with soap and water.
Eye contact	If a particle comes into contact with the eye, wash with water, if irritation persists seek medical advice.
Ingestión	None. Not likely.



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4.2 Most important symptoms and effects, both acute and delayed

Not known.

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 water or foam. Not recommended alcohol-based solutions.

Unsuitable extinguishing media Not known.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

The product is not combustible at room temperature. Nor it is explosive.

Coke can initiate combustion if maintained for a long time in contact with a heat source exceeding 500°C.

5.3. ADVICE FOR FIRE FIREFIGHTERS

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

Special firefighting Procedures Wear self-contained breathing apparatus and full protective suit in case of fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Protection contact with eyes and skin. Use of respiratory equipment, if the situation requires.

6.2 ENVIRONMENTAL PRECAUTIONS

The coke does not produce water-soluble fractions. Prevent dust emissions. Do not discharge into sewerage systems, lakes or rivers.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Mechanically removed.

6.4 REFERENCE TO OTHER SECTIONS

For personal protection, see section 8. For information on disposal, see section 13.

SECTION 7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

- * - Use handling systems to minimize dust generation.
- * - Wear suitable clothing.



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- * - Ventilation by suction.
- * - Have fire fighting equipment.

7.2 CONDITIOS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Use storage system that minimizes the generation of dust.

7.3 SPECIFIC END USE(S)

See section 1.2.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Occupational exposure limits

- TLV/TWA (ACGIH) = 2 mg/m³ - respirable dust.
- .-PEL/TWA (OSHA) = 5 mg/m³ - respirable dust.
- PEL/TWA (OSHA) = 15 mg/m³ - total dust.

DNELs and PNECs

No data available.

8.2 EXPOSURE CONTROLS

8.2.1 Appropriate engineering controls Use good ventilation. Avoid dust generation and propagation.

8.2.2 Individual protection measures, such as personal protective equipment

Respiratory protection Yes. Use dust mask facial.

Skin protection Yes. Resistant gloves penetration coke dust on the skin. Appropriate protective equipment to prevent direct contact.

Eye protection Yes. Wear face mask or goggles.

Hygienic practices Yes. Wash hands and face before meals. Showering after work. Do not use solvent products. Use suitable soap and conditioning creams.

Hygiene measures Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. 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.



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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	Solid.
Colour	Grey.
Odour	Odourless.
Odour threshold	Not available.
Melting point/freezing point	Not available.
Boiling point or initial boiling point and boiling range	Not available.
Flammability	Not flammable.
Lower and upper explosion limit	Not applicable. Not explosive.
Flashpoint	>500°C (DIN 51794-EN/78).
Auto-ignition temperature	Not flammable.
Decomposition temperature	Not available.
pH	Not applicable.
Kinematic viscosity	Not applicable.
Solubility	Water: insoluble.
Partition coefficient n-octanol/water (log value)	Not Available.
Vapour pressure	Not applicable.
Density and/or relative density	Bulk density: 0,5 to 0,8 Kgs/m ³
Relative vapour density	Not available.
Particle characteristics	Not applicable.
Explosive properties	Not explosive.
Oxidising properties	No oxidizer.

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**

The product is stable under normal conditions and at room temperature.

10.2 Chemical stability

The product is stable under normal conditions and at room temperature.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

It will not happen.



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10.4 CONDITIONS TO AVOID

Contact with spotlights heat above 500 °C.

10.5 INCOMPATIBLE MATERIALS

Strong acids and oxidizers.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Carbon oxides and sulfur oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

There are no experimental data available on the product itself. There is no evidence that the coke has a toxicological effect negative.

11.1.1 Acute toxicity

Ingestion

Not available.

Inhalation

The main route of entry is inhalation of dust, which, in excessive concentrations, can cause temporary respiratory irritation.

Dermal

Not classified.

11.1.2 Skin corrosion/irritation

Given its abrasiveness, may cause mechanical irritation and consequent dermatitis.

11.1.3 Serious eye damage/irritation

Direct contact may cause irritation.

11.1.4 Respiratory or skin sensitisation

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 (STOT) – Single exposure

No data available.

11.1.9 Specific target organ toxicity (STOT) – Repeated exposure

No data available.

11.1.10 Aspiration hazard

No data available.



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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

There is no toxicity data.

12.2 PERSISTENCE AND DEGRADABILITY

No results in water-soluble fractions. The coke components are not significantly biodegrade in the environment.

12.3 BIOACCUMULATIVE POTENTIAL

Solid and insoluble product so it reaches concentrations that do not result in toxic effects on living things, and likewise also bioaccumulate, not bioaccumulate.

12.4 MOBILITY IN SOIL

Persist in the environment and can be oxidized by soil microorganisms, resulting not dangerous for the plant material.

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

It is assumed that the product has no negative effects on the environment.

SECTION 13. DIPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Whenever you are authorized, the remains of coke can be used for incineration.

Companies engaged in the recovery, disposal, transport or handle waste should comply with the Directive 2008/98/CE on waste management or other relevant community, national and regional effect.

SECTION 14. TRANSPORT INFORMATION

14.1 UN NUMBER OR ID NUMBER

The product is not covered by international rules or those of the European Union on the transport of dangerous goods.

14.2 UN PROPER SHIPPING NAME

The product is not covered by international rules or those of the European Union on the transport of dangerous goods.

14.3 TRANSPORT HAZARD CLASS(ES)

The product is not covered by international rules or those of the European Union on the transport of dangerous goods.



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14.4 PACKING GROUP

The product is not covered by international rules or those of the European Union on the transport of dangerous goods.

14.5 ENVIRONMENTAL HAZARDS

The product is not covered by international rules or those of the European Union on the transport of dangerous goods.

14.6 SPECIAL PRECAUTIONS FOR USER

The coke is transported, usually in bulk, like any other solid grain. It must be covered with canvas awning, both to repel rain and to protect the environment

14.7 MARITIME TRANSPORT IN BULK ACCORDING TO IMO INSTRUMENTS

No data available.

SECTION 15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/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

It has not made any assessment of the chemical safety.

SECTION 16. OTHER INFORMATION

Modifications compared to the previous version Changes have been made and added information to all 16 sections of this SDS. The format complies with the REACH Regulation and its amendment, Regulation (EU) 2020/878.

Abbreviations and acronyms ACGIH: American Conference of Fobernmental Industrial Hygienistics
CAS: Chemical Abstracts Service
TWA: Time Weighted Average
DNEL: Derived No Effect Level
PNEC: Planned concentration without effect
CLP: Regulation N° 1272/2008

Key literature references and sources for data European Chemicals Agency (ECHA)
Properties Section 9: "BIATABELLENWEK BRENN-U.EXPLOSION SKENNGROSEN VON STAUBEN", No. 267,268

Full text of hazard H315: Causes skin irritation.

Advice on any training appropriate for workers Maintenance personnel and production plant has received information and training on safety instructions in plant and equipment.



Grafitos Barco, S.A.

SAFETY DATA SHEETS

In accordance with Regulation (CE) No 2020/878 amending
Annex II of Regulation CE No 1907/2006 (REACH)

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Customer Note:

The information provided herein has been compiled based on the best existing sources. This does not imply that the information is complete in all cases.

The information contained in the Safety Data Sheet has been compiled based on the intended use, to the extent known such intended uses. It is your responsibility to transmit if the safety data sheet satisfy you, regarding the application of information and recommendations given for their own use.