



Trade Name Coke
Review Date 01/03/2016
Version 3

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

Chemical name Coke
Trade name of the substance PETROLEUM COKE
Identification Number 64743-05-1
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

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

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 Combustible.
 The coke dust which can form explosive mixtures.
Health hazards Inhalation: Coke can produce dust, dangerous by their adsorption capacity. The coke dust inhalation is irritating to the nose, throat and lungs and cause chronic bronchitis.
 By Ingestion: Ingestion of large amounts may cause abdominal pain, nausea and diarrhea.
 By Contact with skin: Its abrasive action may cause irritation and dermatitis.
 By Contact with hot material may cause burns.
 By Contact with eyes: Coke can cause conjunctivitis and irritation abrasive action on the surface of the eye. Contact with hot material may cause burns.
Environmental hazards Not classified for hazards to the environment.
Specific hazards Respiratory tract irritation by inhalation of dust from coke but by its physical form, which by its chemical nature.



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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.

3. Composition/information on ingredients**3.1 Substance****General information**

Chemical name	Content	CAS-No.	EC No.	REACH Registration No.
PETROLEUM COKE	> 95% p/p	64743-05-1	265-210-9	Exempt from registration

3.2 MIXTURES**Information on the
mixture**

Not applicable

4. First aid measures**4.1 Description of first aid measures**

Inhalation	Move injured person into fresh air and keep person calm under observation. For breathing difficulties, oxygen may be necessary. If breathing stops, provide artificial respiration. Get medical attention.
Skin contact	Remove contaminated clothing immediately. Wash with soap and water. If skin irritation or an allergic skin reaction develops, get medical attention.
Eye contact	Flush thoroughly with water for at least 15 minutes. Do not rub eye. If irritation occurs, get medical assistance. Burns require immediate medical attention.
Ingestion	Rinse mouth thoroughly. Get medical attention if any discomfort occurs.
General measures	Remove to fresh air and washing with water. Alert the medical service.

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

Symptomatic Treatment.

5. Firefighting measures**5.1 General fire hazards**

Suitable extinguishing media	Water spray, foam, dry chemical, CO ₂
Unsuitable extinguishing media	None.

5.2 Special hazards arising from the substance or mixture



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Ignition may occur with heat, sparks or flames. Flame will burn quickly.

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 Clothing and heat-resistant gloves. Self-contained breathing equipment.

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.
For emergency responders Use personal protection recommended in Section 8 of the SDS.

6.2 Environmental precautions

Does not produce water soluble fractions. Harmful to aquatic organisms. Does not bioaccumulate.

6.3 Methods and material for containment and cleaning up

If a spill occurs, remove the probable sources of ignition. Moisten with water spray to reduce dust. Collect spilled material with shovels and placed inside containers for later disposal.

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 appropriate protective clothing to prevent contact with the product and inhalation of dust. Exhaust ventilation and dust filters in the areas of handling and storage. Avoid creating sparks or other ignition sources. Fighting equipment available. Special conditions: NP

7.2 Conditions for safe storage, including any incompatibilities

Temperature and decomposition products: In the thermal decomposition can produce irritating and toxic fumes.
Hazardous reactions: When heated with strong oxidants such as ammonium nitrate or ammonium tetrachloride, bromate, chlorate, iodate, nitric acid, etc.
Storage conditions: closed and properly labeled containers in well ventilated areas.
Incompatible materials: as above.

7.3 Specific end use(s)

Not available.

8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

	TLV / TWA (ACGIH)	TLV / TWA (ACGIH)	PEL / TWA (OSHA)
Petroleum coke	3 mg/m ³	10 mg/m ³	10 mg/m ³



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	(Respirable dust)	(Inhalable dust)	(Total dust)
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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

8.2.1 Appropriate engineering controls Provide adequate ventilation. Mechanical ventilation or local exhaust ventilation may be required. Provide explosion-proof ventilation for high dust concentrations. Observe occupational exposure limits and minimise the risk of inhalation of dust and fumes. Provide access to washing facilities including soap, skin cleanser and fatty cream.

8.2.2 Individual protection measures, such as personal protective equipment

General information When coke is handled in confined spaces, there should be a good local ventilation.
Eye/face protection Wear safety glasses with side shields (or goggles).

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 The product is solid. You must use respiratory protective equipment with appropriate filter when there is a significant concentration of coke dust in the environment.

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, 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.

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

Physical state Solid.
Form Powder, grain.
Colour Grey.
Odour Odourless.
Odour threshold Not available.
pH Not applicable.
Melting point/freezing point Not available.
Boiling point, initial boiling point, and boiling range Not applicable.
Flash point Not applicable.
Auto-ignition temperature Not applicable.
Flammability (solid, gas) Not available.



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Flammability limit - lower (%)	Not applicable.
Flammability limit - upper (%)	Not applicable.
Oxidising properties	Not applicable.
Explosive properties	Not applicable.
Explosive limit	Not applicable.
Vapour pressure	1 mm Hg a 3586 °C
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Relative density	2 (Approximate)
Solubility (water)	Insoluble.
Partition coefficient (n-octanol/water)	Not applicable.
Decomposition temperature	Not applicable.
Bulk density	Not applicable.
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

Not available.

10.5 Incompatible materials

Strong oxidising agents.

10.6 Hazardous decomposition products

In the thermal decomposition can produce irritating and toxic fumes. Combustion Products: CO₂, H₂O, CO (in the absence of air) and other acid gases.

11. Toxicological information

11.1 Information on toxicological effects

11.1.1 Acute toxicity

Ingestion	However, ingestion of dusts generated during working operations may cause nausea and vomiting.
Inhalation	High concentrations of dust may irritate throat and respiratory system and cause coughing.
cutaneous	Dust may irritate skin.



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Symptoms

Excessive concentrations of coke dust can cause annoying eye, ear and nasal passages and skin irritation and mucous membrane her presence. pulmonary irritation by inhalation. In the long term can cause chronic

11.1.2 Skin

Dust can irritate the skin . It can cause irritation by mechanical abrasion

corrosion/irritation

11.1.3 Serious eye damage/eye irritation

Dust can irritate eyes.

11.1.4 Respiratory and skin sensitization

No data available.

11.1.5 Germ cell mutagenicity

No data available.

11.1.6 Carcinogenicity

Not 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

not qualified

12. Ecological information

12.1 Toxicity

No toxicity data noted for the ingredient(s).

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

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

12.4 Mobility

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

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

Is carried out by incineration in a special oven or in landfills, mixed with acid soil and fertilizer plant.



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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.

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.El format complies with REACH and its amendment, Regulation (EC) 830/2015.

List of abbreviations

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.
CLP: Regulation No. 1272/2008.

References

European Chemicals Agency (ECHA) .
Calculation methods and , where appropriate, test data the company itself .



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Training information

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 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.