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## INFORMATION NOTE ABOUT PRODUCT SAFETY

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### COQUE VERDE

#### SECTION 1. Identification of the substance/mixture and of the company/undertaking

##### 1.1 Product identifier

<b>Commercial name</b>	COQUE VERDE
<b>Chemical name</b>	Coke (petroleum).
<b>Synonyms</b>	N/A
<b>CAS</b>	64741-79-3
<b>EC (EINECS)</b>	265-080-3
<b>Index No ( annex VI Regulation EC No 1272/2008)</b>	N/A
<b>Registration Number</b>	Exempt from the obligation to Register
<b>Authoritation Number</b>	N/A

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

Combustible.

##### 1.3 Details of the supplier of the information note about product safety

<b>Company</b>	REPSOL COMERCIAL DE PRODUCTOS PETROLÍFEROS, S.A.
<b>Address</b>	Méndez Álvaro, 44 28045 - MADRID, Spain
<b>Phone</b>	+34 917538000 /+34 917538100
<b>Fax</b>	+34 902303145
<b>e-mail address</b>	FDSRCP@repsol.com

#### SECTION 2. Hazards identification

2.1 Classification of the substance or mixture	2.2 Label elements	
<b>CLASSIFICATION</b> Reg.(CE)1272/2008(CLP)	<b>LABELLING</b>	
N/A	<b>Pictograms</b> N/A	N/A
	<b>Signal word</b>	N/A
	<b>Hazard statements</b>	N/A

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**INFORMATION NOTE ABOUT PRODUCT SAFETY**


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	<b>supplemental information</b>	N/A
	<b>Precautionary statements</b>	N/A

**2.3 Other hazards**

Results of the assessment of PBT and vPvB in the product, in accordance with the criteria set out in Annex XIII of REACH, can be found in Section 12.5 of this information note about product safety.

Please refer to Sections 5, 6 and 7 of this information note about product safety for information on other dangers, different from classification dangers but which may contribute to the overall hazards of the product.

**SECTION 3. Composition/information on ingredients**

A solid material resulting from high temperature treatment of petroleum fractions. It consists of carbonaceous material and contains some hydrocarbons having a high carbon to hydrogen ratio.

<b>Dangerous components Reg. (CE) 1272/2008 (CLP)</b>	<b>Concentration (%)</b>	<b>Hazard statements</b>
N/A		

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

**Inhalation:** Move the affected person to fresh air.  
If breathing is difficult, apply artificial respiration or administer oxygen.  
Seek medical care.

**Ingestion/Aspiration:** N/A

**Contact skin:** Remove contaminated clothing immediately.  
Wash affected areas with soap and water.  
Burns require immediate medical attention.  
Burns require immediate medical attention.

**Contact eyes:** Wash affected areas with soap and water.  
Burns require immediate medical attention.  
In case of contact with eyes, wash abundantly with water for about 15 minutes.  
Burns require immediate medical attention.

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## INFORMATION NOTE ABOUT PRODUCT SAFETY

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

**Inhalation:** Coke may generate dust, which is dangerous for its adsorption capacity. Inhalation of excessive concentration of the dust coke is irritating to the nose, throat and lungs.

**Ingestion/Aspiration:** Intake of large amounts may cause abdominal discomfort, nausea, and diarrhea.

**Contact skin:** Prolonged contact may produce irritation and dermatitis. Contact with heated material may cause burns. Contact with heated material may cause burns.

**Contact eyes:** Contact with heated material may cause burns. Coke dust can lead to conjunctivitis and its abrasive action can cause irritation on the surface of the eye. Contact with heated material may cause burns.

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

Seek medical care.

## SECTION 5. Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media:** Water spray, CO<sub>2</sub>, foam and dry chemical powder.

**Unsuitable extinguishing media:** N/A

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

**Combustion products:** CO<sub>2</sub>, H<sub>2</sub>O, CO (in incomplete combustion) and acidic gases.

**Special measures:** N/A

**Special hazards:** Ignition can occur with heat, sparks or flames. Can burn rapidly in the presence of a flame.

### 5.3. Advice for firefighters:

Suit and gloves resistant to heat. Self-contained breathing apparatus in case of high concentrations of fumes or thick smoke.

## SECTION 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Avoid any ignition sources (flames, sparks).

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## INFORMATION NOTE ABOUT PRODUCT SAFETY

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No smoking.  
Avoid inhalation of dust coke.

**Personal protection:** Suitable protective clothing to avoid contact with the product.  
If dust is present, a mask is recommended.

### 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

Moisten with water spray to reduce dust.  
Collect spilled material properly and deposit in appropriate containers for disposal.

### 6.4. Reference to other sections

Section 8 contains more detailed advice on personal protective equipment and section 13 on waste disposal.

## SECTION 7. Handling and storage

### 7.1. Precautions for safe handling

**General precautions:** Use suitable personal protective equipment.  
Use exhaust ventilation systems with filters for dust in the areas of handling and storage.  
Avoid any ignition sources (flames, sparks).  
No smoking.  
Have firefighting equipment available on hand.

**Specific conditions:** N/A

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

**Temperature and decomposition products:** Irritating or toxic substances may be emitted upon thermal decomposition.

**Dangerous reactions:** When heated with strong oxidants such as: ammonium nitrate or ammonium tetrachloride, bromates, chlorates, iodates, nitric acid, etc.

**Storage conditions:** Well-ventilated areas.  
Do not smoke in storage area.

**Incompatible materials:** Strong oxidants such as ammonium nitrate or ammonium tetrachloride, bromates, chlorates, iodates, nitric acid, etc.

### 7.3. Specific end use(s)

See section 1 or exposure scenario

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## INFORMATION NOTE ABOUT PRODUCT SAFETY

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### SECTION 8. Exposure controls/personal protection

#### 8.1 Control parameters

Particles (insoluble or slightly soluble) otherwise unspecified: Inhalable fraction: INSHT (Spain): VLA-ED: 10 mg/m <sup>3</sup> . ACGIH(USA): TLV/TWA: 10 mg/m <sup>3</sup> . Breathable fraction: INSHT (Spain): VLA-ED: 3 mg/m <sup>3</sup> . ACGIH (USA): TLV/TWA: 3 mg/m <sup>3</sup> .
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**DNEL**        N/A

**PNEC**        N/A

#### 8.2 Exposure controls

Good local exhaust ventilation by air suction and filtering is recommended in confined spaces where coke is handled.

##### **Individual protection measures, such as personal protective equipment**

**Respiratory protection:** Respiratory protection with proper filter should be used when high concentrations of airborne dust coke are generated in the air.

**Skin protection:** Gloves which resist dust coke penetration into the skin. Suitable personal protective equipment to prevent direct skin contact.

**Eye/face protection:** Closed eye protection against contact of eyes with sulfur powder. Eye wash.

**Other protective equipment:** Showers in the work area.

**Specific hygiene measures:** Workers exposed to coke should shower at the end of their working shifts. Care should be taken to ensure proper skin cleaning by washing frequently with soap and water. Do not wear contact lenses in presence of powder.

**Medical Conditions Aggravated by Exposure:** Overexposure to dust coke may aggravate existing respiratory conditions, such as asthma, bronchitis, or pulmonary fibrosis. Similarly, due to its irritant properties repeated skin contact may aggravate an existing dermatitis.

##### **Environmental exposure controls:**

Product should not reach the environment through wastewater or sewage. Measures to take in case of accidental release can be found in Section 6 of this information note about product safety.

### SECTION 9. Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Appearance: Solid.

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## INFORMATION NOTE ABOUT PRODUCT SAFETY

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Odour: Odorless.  
Odour threshold : N/A  
Colour: Black.  
pH: N/A  
Melting point/freezing point : N/A  
Initial boiling point and boiling range : N/A  
Flash point : N/A  
Evaporation rate : N/A  
Flammability (solid, gas) : N/A  
Upper/lower flammability or explosive limits : Stable.  
Vapour pressure : 1 mmHg at 35,86°C  
Vapour density : N/A  
Density : 0,774 g/cm<sup>3</sup>  
Solubility(ies) : N/A  
Partition coefficient: n-octanol/water : N/A  
Auto-ignition temperature : N/A  
Decomposition temperature : N/A  
Viscosity : N/A  
Explosive properties : N/A  
Oxidising properties : N/A

### 9.2 Other information

Water solubility: Insoluble.  
Total sulfur (% wt.): 0.8-7 (ASTM D-4294). Volatile matter (% wt.):8.5-15.0 (ASTM D-3175).  
Carbon (% wt.): 86-93 (ISO 6)

## SECTION 10. Stability and reactivity

- 10.1. **Reactivity:** N/A
- 10.2. **Chemical stability:** Stable product at room temperature.
- 10.3. **Possibility of hazardous reactions:** Strong oxidizing substances.
- 10.4. **Conditions to avoid:** N/A
- 10.5. **Incompatible materials:** N/A
- 10.6. **Hazardous decomposition products:** Irritating or toxic substances may be emitted upon thermal decomposition. Combustion products: CO<sub>2</sub>, H<sub>2</sub>O, CO (in incomplete combustion) and acidic gases.

## SECTION 11. Toxicological information

### 11.1. Information on toxicological effects

The provided toxicological information results from the application of Annexes VII to XI of Regulation 1907/2006 (REACH).

**Acute toxicity:** N/A

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## INFORMATION NOTE ABOUT PRODUCT SAFETY

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**Skin corrosion/irritation:** N/A

**Serious eye damage/irritation:** N/A

**Respiratory or skin sensitisation:** N/A

**Germ cell mutagenicity:** N/A

**Carcinogenicity:** N/A

Product rating corresponds to the comparison of the results from the toxicological studies with the criteria set out in Regulation (EC) No 1272/2008 for CMR, categories 1A and 1B.

**Reproductive toxicity:** N/A

**STOT-single exposure:** N/A

**STOT-repeated exposure:** N/A

**Aspiration hazard:** N/A

### SECTION 12. Ecological information

**12.1. Toxicity:** No data on toxicity to aquatic organisms.

**12.2. Persistence and degradability:** It is not likely to produce water soluble fractions. Spilled materials may sink to bottom causing mechanical damage to contacted fauna and flora. The components of the product are not biodegraded to any significant extent in the environment. Under normal circumstances the product will remain in place.

**12.3. Bioaccumulative potential:** Insoluble solid product so it reaches concentrations that are not toxic to living things, nor does it bioaccumulate.

**12.4. Mobility in soil:** N/A

**12.5. Results of PBT and vPvB assessment:** The substance do not meet all the specific criteria detailed in Annex XIII or do not allow a direct comparison with all the criteria in Annex XIII but nevertheless indicate that the substance would not have all these properties and the substance is not considered a PBT/vPvB.”

**12.6. Other adverse effects:** N/A

### SECTION 13. Disposal considerations

#### 13.1. Waste treatment methods

**Disposal:** Should be done by burning in a special oven facility or by dumping in landfill together with topsoil and acidic fertilizers. Burn in special incinerator to generate energy.

**Handling:** Minimize dust coke inhalation and contact with skin. Protect from ignition sources.

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## INFORMATION NOTE ABOUT PRODUCT SAFETY

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**Provisions:** Establishments and companies engaged in the recovery, disposal, transport or handle waste should comply with local, national or community provisions on waste management.

### SECTION 14. Transport information

**14.1. UN number:** N/A

**14.2. UN proper shipping name:** N/A

**14.3. Danger identification number:** N/A

**14.4. Packing group**

**ADR/RID:** N/A

**IATA-DGR:** N/A

**IMDG:** N/A

**14.5. Environmental hazards**

**ADR/RID:** N/A

**IATA-DGR:** N/A

**IMDG:** N/A

**14.6. Transport in bulk in accordance with appendix II of the Marpol agreement 73/78 and the IBC code**

No category assigned for the IBC code.

**14.7. Special precautions for user**

Stable at room temperature and during transport.

### SECTION 15. Regulatory information

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

COMMISSION REGULATION (EU) No 453/2010 : REQUIREMENTS FOR THE COMPILATION OF SAFETY DATA SHEETS

Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

Regulation (EC) No 1272/2008 of the European Parliament and the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures (CLP).

Regulation (EC) No 1907/2006 concerning Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

European Agreement concerning the international carriage of dangerous goods by road (ADR).

Regulation on the international transport of dangerous goods on the railway. (RID)

International maritime code of dangerous goods. (IMDG)

International Air Transport Association (IATA) regulation pertaining to air shipment.



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## INFORMATION NOTE ABOUT PRODUCT SAFETY

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International Bulk Chemical Code (IBC Code), MARPOL 73/78.

**Commission Regulation Other hazards**

N/A

**15.2. Chemical safety assessment**

N/A

### SECTION 16. Other information

#### Glossary

CAS: Chemical Abstract Service  
IARC: International Agency for Research on Cancer  
ACGIH: American Conference of Governmental Industrial Hygienists.  
TLV: Threshold Limit Value  
TWA: Time Weighted Average  
STEL: Short-term Exposure Level  
REL: Recommendable Exposure Limit  
PEL: Permissible Exposure Limit  
INSHT: Instituto Nacional de Seguridad e Higiene en el Trabajo.  
VLA-ED: Environmental limit value - daily exposure  
VLA-EC: Limit environmental value - short exposure  
DNEL/DMEL: Derived no-effect level / Derivation of minimal effects levels  
PNEC: Predicted No Effect Concentration  
LD50: Lethal Dose Medium  
LC50: Lethal Concentration Medium  
EC50: Effective Concentration Medium  
IC50: Inhibitory Concentration Medium  
BOD: Biological Oxygen Demand.  
NOAEL: No observable adverse effect level  
NOEL: No observed effect level  
NOAEC: No observed adverse effect concentration  
NOEC: No observed effect concentration  
N/A: Not applicable  
| : Changes from the last revision

#### Data Bases consulted

EINECS: European Inventory of Existing Commercial Substances.  
TSCA: Toxic Substances Control Act, US Environmental Protection Agency.  
HSDB: US National Library of Medicine.  
RTECS: US Dept. of Health & Human Services.

#### Hazard Class-and-Category shown in the document

N/A

Purchasing companies have an obligation to ensure that their employees are properly trained on the safe handling and use of the product in accordance with the guidelines contained in this information note about product safety.



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## INFORMATION NOTE ABOUT PRODUCT SAFETY

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Furthermore, companies purchasing this product are required to inform their employees, and individuals who could manipulate or use it within their facilities, about all indications included in the INFORMATION NOTE ABOUT PRODUCT SAFETY, in particular those relating to the product's risks to the health and safety of people and to the environment.

Safety Information Sheet/Fact Sheet prepared in compliance with Article 32 of Regulation (EC) 1907/2006 (REACH), in order to communicate information down the supply chain for substances on their own or in mixtures for which a safety data sheet is not required in the SDS format. Therefore, this document does not constitute a Material Safety Data Sheet (MSDS/SDS) according to Article 31 of REACH, given that for the purposes of REACH, it is not compulsory to provide a MSDS/SDS for the substance or mixture covered under this Safety Information Sheet/Fact Sheet.

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