	<b>SAFETY DATA SHEET</b>	Page : 1 / 13
		Revision nr : 2.0
	<b>Petroleum Coke</b>	Issue date : 25/07/2025
		Supersedes : 18/02/2025

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

### 1.1. Product identifier

Product form : Substance  
Trade name/designation : Petroleum Coke  
EC-No. : 265-080-3  
CAS-No. : 64741-79-3

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

#### 1.2.1. Relevant identified uses

Main use category : Industrial use  
Use of the substance/mixture : Fuel  
Uses other than those identified are not recommended

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

#### Supplier

NIS a.d. Novi Sad  
Narodnog Fronta 12  
21000 Novi Sad  
Serbia  
T + 381 (0) 21 481 1111  
[REACHNIS@nis.rs](mailto:REACHNIS@nis.rs)

#### Only Representative

BENS Consulting d.o.o.  
Špruha 19  
1236 Trzin  
Slovenija  
T +386 41 979 800  
[info@bens-consulting.eu](mailto:info@bens-consulting.eu)

### 1.4. Emergency telephone number

Emergency number : + 381 (0)21 481 1111 (08-16 h)  
+ 381 (0)11 311 3311 (08-16 h)

Country/Area	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	

## SECTION 2: Hazards identification


### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

### Adverse physicochemical, human health and environmental effects

No additional information available

	<b>SAFETY DATA SHEET</b>	Page : 2 / 13
		Revision nr : 2.0
	<b>Petroleum Coke</b>	Issue date : 25/07/2025
		Supersedes : 18/02/2025

## 2.2. Label elements

### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Not applicable.

## 2.3. Other hazards

Other hazards : Results of PBT and vPvB assessment : This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Substance name : Coke (petroleum)  
CAS-No. : 64741-79-3  
EC-No. : 265-080-3

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Coke (petroleum)	CAS-No.: 64741-79-3 EC-No.: 265-080-3 EC Index: -	≤ 100	Not classified

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures


Additional advice : First aider: Pay attention to self-protection!. Concerning personal protective equipment to use, see section 8. Never give anything by mouth to an unconscious person. In case of doubt or persistent symptoms, consult always a physician. Show this safety data sheet to the doctor in attendance.

Inhalation : Remove casualty to fresh air and keep warm and at rest. Get medical advice/attention.

Skin contact : Remove contaminated clothing and shoes. Gently wash with plenty of soap and water. In case of doubt or persistent symptoms, consult always a physician.

Eyes contact : Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Remove contact lenses, if present and easy to do. Continue rinsing. In case of doubt or persistent symptoms, consult always a physician.

Ingestion : Rinse mouth thoroughly with water. Drink plenty of water. Get medical advice/attention.

	<b>SAFETY DATA SHEET</b>	Page : 3 / 13
		Revision nr : 2.0
	<b>Petroleum Coke</b>	Issue date : 25/07/2025
		Supersedes : 18/02/2025

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

Inhalation	: Inhalation of dust may cause irritation of the respiratory system.
Skin contact	: Contact with dust may cause mechanical irritation or drying of the skin.
Eyes contact	: Dust from this product may cause eye irritation.
Ingestion	: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

Treat symptomatically.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

Suitable extinguishing media	: carbon dioxide (CO <sub>2</sub> ), powder, alcohol-resistant foam, water spray.
Unsuitable extinguishing media	: Strong water jet.

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

Specific hazards	: May form combustible dust concentrations in air. Dust may form explosive mixture in air. Take precautionary measures against static discharge.
Hazardous decomposition products in case of fire	: Carbon oxides (CO, CO <sub>2</sub> ). nitrogen oxides (NO <sub>x</sub> ) and sulphur oxides. Hydrogen sulfide. smokes.

#### **5.3. Advice for firefighters**

Firefighting instructions	: Evacuate area. Use water spray or fog for cooling exposed containers. Contain the extinguishing fluids by bunding. Prevent fire fighting water from entering the environment. Avoid dust formation. Potential dust explosion hazard from airborne release.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.
Other information	: Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation.

### **SECTION 6: Accidental release measures**

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

##### **6.1.1. For non-emergency personnel**


For non-emergency personnel	: Evacuate unnecessary personnel. Keep upwind. Provide adequate ventilation. Wear recommended personal protective equipment. Concerning personal protective equipment to use, see section 8. Avoid contact with skin, eyes and clothing. Avoid dust formation. Do not breathe dust. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only non-sparking tools.
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##### **6.1.2. For emergency responders**

For emergency responders	: Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see section 8.
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#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Notify authorities if product enters sewers or public waters.

	<b>SAFETY DATA SHEET</b>	Page : 4 / 13
		Revision nr : 2.0
	<b>Petroleum Coke</b>	Issue date : 25/07/2025
		Supersedes : 18/02/2025

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

Methods for cleaning up : Stop leak if safe to do so. Dam up the solid spill. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Large spills: scoop solid spill into closing containers. This material and its container must be disposed of in a safe way, and as per local legislation.

### **6.4. Reference to other sections**

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

Precautions for safe handling : Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Avoid contact with skin, eyes and clothing. Take any precaution to avoid mixing with Incompatible materials, Refer to Section 10 on Incompatible Materials. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Avoid release to the environment. Avoid dust formation. Do not breathe dust. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only non-sparking tools. Use grounded electrical/mechanical equipment.

Hygiene measures : Keep good industrial hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse.

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

Storage conditions : Keep container tightly closed. Store in a dry, cool and well-ventilated place. Do not store near or with any of the incompatible materials listed in section 10. Avoid the build-up of electrostatic charge.

Incompatible materials : Strong acids. Strong oxidizers. Flammable materials.

Storage temperature : Ambient temperature

Heat and ignition sources : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Non-sparking tools should be used. Ensure equipment is adequately earthed.

Special rules on packaging : Containers which are opened should be properly resealed and kept upright to prevent leakage. Keep in properly labelled containers.


Packaging materials : Keep only in the original container.

#### **Germany**

German storage class (LGK) : LGK 11 - Combustible solids

#### **Switzerland**

Storage class (LK) : NG - Non-hazardous

	<b>SAFETY DATA SHEET</b>	Page : 5 / 13
		Revision nr : 2.0
	<b>Petroleum Coke</b>	Issue date : 25/07/2025
		Supersedes : 18/02/2025

### 7.3. Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

<b>Coke (petroleum) (64741-79-3)</b>	
<b>Czech Republic - Occupational Exposure Limits</b>	
PEL (OEL TWA)	2 mg/m <sup>3</sup>
<b>Latvia - Occupational Exposure Limits</b>	
OEL TWA	4 mg/m <sup>3</sup> (Carbon dust)

#### 8.1.2. Recommended monitoring procedures

<b>Monitoring methods</b>	
Monitoring methods	Personal air monitoring. Room air monitoring.

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

<b>Petroleum Coke (64741-79-3)</b>	
<b>DNEL/DMEL (workers)</b>	
Long-term - local effects, inhalation	3 mg/m <sup>3</sup> (8h)
<b>DNEL/DMEL (general population)</b>	
Long-term - local effects, inhalation	8 mg/m <sup>3</sup> (24h)

Additional information : Recommended monitoring procedures :. Personal air monitoring. Room air monitoring


#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

Engineering measure(s) : Provide adequate ventilation. Organisational measures to prevent/limit releases, dispersion and exposure. See Section 7 for information on safe handling. Apply measures to prevent dust explosions. Ensure equipment is adequately earthed. Take precautionary measures against static discharge. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.


	<b>SAFETY DATA SHEET</b>	Page : 6 / 13
		Revision nr : 2.0
		Issue date : 25/07/2025
	<b>Petroleum Coke</b>	Supersedes : 18/02/2025

Hand protection	: Wear chemically resistant gloves (tested to EN374) . Suitable material: Not determined. Breakthrough time : refer to the recommendations of the supplier. Thickness of the glove material: Not determined. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.
Eye protection	: Use suitable eye protection (EN166): Safety glasses with side shields
Body protection	: Wear suitable protective clothing
Respiratory protection	: Not required for normal conditions of use. In case of insufficient ventilation, wear suitable respiratory equipment. Breathing apparatus with filter. In the case of vapour formation use a respirator with an approved filter. Filter type: A (EN 14387) / P (EN 143). Use self-contained respiratory apparatus for rescue and maintenance work in storage vessels. (EN 137)
Thermal hazard protection	: Not required for normal conditions of use. Use dedicated equipment. Wear suitable gloves (EN 407).
Environmental exposure controls	: Avoid release to the environment. Comply with applicable Community environmental protection legislation.

## SECTION 9: Physical and chemical properties

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

Physical state	: Solid
Colour	: Not available
Appearance	: Powder.
Odour	: odourless.
Odour threshold	: No data available
Melting / freezing point	: No data available
Freezing point	: Not available
Initial boiling point and boiling range	: No data available
Flammability	: Not available
Explosive properties	: No data available.
Oxidising properties	: No data available.
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: > 93 °C
Auto-ignition temperature	: 340 – 380 °C
Decomposition temperature	: No data available
pH	: No data available
pH solution	: Not available
Kinematic viscosity	: No data available
Dynamic viscosity	: No data available
Solubility	: No data available.
Partition coefficient n-octanol/water (Log Kow)	: > 6
Vapour pressure	: < 0,1 kPa (20°C)
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: 0,8 – 2,1
Vapour density	: No data available

	<b>SAFETY DATA SHEET</b>	Page : 7 / 13
		Revision nr : 2.0
	<b>Petroleum Coke</b>	Issue date : 25/07/2025
		Supersedes : 18/02/2025

Particle size : 1 — 6 mm

## 9.2. Other information

### 9.2.1. Information with regard to physical hazard classes

Explosion limits : > 30 g/m<sup>3</sup>

### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None under normal conditions. Reference to other sections: 10.4 & 10.5.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid dust formation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. See Section 7 for information on safe handling.

### 10.5. Incompatible materials

Strong oxidizers. Strong acids. No contact with flammable substances. See Section 7 for information on safe handling.

### 10.6. Hazardous decomposition products

Carbon oxides (CO, CO<sub>2</sub>). Nitrogen oxides. Sulphur oxides. Hydrogen sulfide. smokes. Reference to other sections 5.2.


## SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

Petroleum Coke (64741-79-3)	
LD50/oral/rat	> 5000 mg/kg
LD50/dermal/rabbit	> 3160 mg/kg
LC50/inhalation/4h/rat	100 mg/m <sup>3</sup>

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)  
pH: No data available

	<b>SAFETY DATA SHEET</b>	Page : 8 / 13
		Revision nr : 2.0
		Issue date : 25/07/2025
	<b>Petroleum Coke</b>	Supersedes : 18/02/2025

Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: No data available
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

Petroleum Coke (64741-79-3)	
Kinematic viscosity	No data available

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties	: The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605
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### 11.2.2. Other information

Other information	: Symptoms related to the physical, chemical and toxicological characteristics, For further information see section 4
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## SECTION 12: Ecological information

### 12.1. Toxicity

Environmental properties	: According to the criteria of the European classification and labelling system, the substance/the product has not to be labelled as "dangerous for the environment".
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Petroleum Coke (64741-79-3)	
LC50 - Fish [1]	> 1000 mg/l
EC50 - Other aquatic organisms [1]	> 1000 mg/l (daphnia)
EC50 96h - Algae [1]	> 1000 mg/l (IC)



	<b>SAFETY DATA SHEET</b>	Page : 9 / 13
		Revision nr : 2.0
	<b>Petroleum Coke</b>	Issue date : 25/07/2025
		Supersedes : 18/02/2025

#### **12.2. Persistence and degradability**

<b>Petroleum Coke (64741-79-3)</b>	
Persistence and degradability	This product is expected to be resistant to biodegradation and to persist in the environment.

#### **12.3. Bioaccumulative potential**

<b>Petroleum Coke (64741-79-3)</b>	
Partition coefficient n-octanol/water (Log Kow)	> 6
Bioaccumulative potential	May cause bioaccumulation. Metabolism or physical properties may reduce the bioconcentration or limit bioavailability.

#### **12.4. Mobility in soil**

<b>Petroleum Coke (64741-79-3)</b>	
Mobility in soil	No data available

#### **12.5. Results of PBT and vPvB assessment**

<b>Petroleum Coke (64741-79-3)</b>	
Results of PBT assessment	This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

#### **12.6. Endocrine disrupting properties**

Adverse effects on the environment caused by endocrine disrupting properties : The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

#### **12.7. Other adverse effects**


Other adverse effects : No data available.

### **SECTION 13: Disposal considerations**

#### **13.1. Waste treatment methods**

Product/Packaging disposal recommendations : Avoid release to the environment. Dispose of empty containers and wastes safely. See Section 7 for information on safe handling. Refer to manufacturer/supplier for information on recovery/recycling. Recycling is preferred to disposal or incineration. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations. Handle contaminated packages in the same way as the substance itself. Dispose of contaminated materials in accordance with current regulations.

European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC) : Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities

	<b>SAFETY DATA SHEET</b>	Page : 10 / 13
		Revision nr : 2.0
	<b>Petroleum Coke</b>	Issue date : 25/07/2025
		Supersedes : 18/02/2025

#### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

#### 14.6. Special precautions for user

Special precautions for user : No data available

#### - Overland transport

Not applicable

#### - Transport by sea

Not applicable

#### - Air transport

Not applicable

#### - Inland waterway transport

Not applicable

#### - Rail transport

Not applicable

#### 14.7. Maritime transport in bulk according to IMO instruments

Code: IBC : No data available.

#### SECTION 15: Regulatory information

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


##### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

Not listed on REACH Annex XVII

##### REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

	<b>SAFETY DATA SHEET</b>	Page : 11 / 13
		Revision nr : 2.0
	<b>Petroleum Coke</b>	Issue date : 25/07/2025
		Supersedes : 18/02/2025

#### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

#### PIC Regulation (Prior Informed Consent)

Not listed on the PIC list (Regulation EU 649/2012)

#### POP Regulation (Persistent Organic Pollutants)

Not listed on the POP list (Regulation EU 2019/1021)

#### Ozone Regulation (2024/590)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

#### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

#### Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

#### Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### Detergent Regulation (648/2004/EC): Labelling of contents

Labelling for contents according to : Not applicable  
regulation (EC) No. 648/2004

### 15.1.2. National regulations

#### France


Installations classées			
No ICPE	Désignation de la rubrique	Code Régime	Rayon
na	Not Applicable	na	na

#### Germany

- Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG).  
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).
- Water hazard class (WGK) : WGK nwg, Non-hazardous to water (Not classified according to Regulation Governing Systems for Handling Substances Hazardous to Waters (AwSV); ID No. 433).
- Major Accidents Ordinance (12. BImSchV) : Is not subject to the Major Accidents Ordinance (12. BImSchV)

#### Netherlands

- Waterbezwaarlijkheid : A (4) - Weinig schadelijk voor in water levende organismen; kan in het aquatisch milieu op lange termijn schadelijke effecten veroorzaken.
- SZW-lijst van kankerverwekkende stoffen : Coke (petroleum) is listed
- SZW-lijst van mutagene stoffen : Coke (petroleum) is listed
- SZW-lijst van reprotoxische stoffen – Borstvoeding : The substance is not listed

	<b>SAFETY DATA SHEET</b>	Page : 12 / 13
		Revision nr : 2.0
	<b>Petroleum Coke</b>	Issue date : 25/07/2025
		Supersedes : 18/02/2025

SZW-lijst van reprotoxische stoffen – : The substance is not listed

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen – : The substance is not listed

Ontwikkeling

#### 15.2. Chemical safety assessment

A chemical safety assessment has been carried out

### SECTION 16: Other information

Indication of changes:


1.3	Details of the supplier of the safety data sheet	Modified	
16	Other information	Modified	

Abbreviations and acronyms:

	ABM = Algemene beoordelingsmethodiek
	ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin
	ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
	CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC
	IATA = International Air Transport Association
	IMDG = International Maritime Dangerous Goods Code
	LEL = Lower Explosive Limit/Lower Explosion Limit
	UEL = Upper Explosion Limit/Upper Explosive Limit
	REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
	BTT = Breakthrough time (maximum wearing time)
	DMEL = Derived Minimal Effect level
	DNEL = Derived No Effect Level
	EC50 = Median Effective Concentration
	EL50 = Median effective level
	ErC50 = EC50 in terms of reduction of growth rate
	ErL50 = EL50 in terms of reduction of growth rate
	EWC = European waste catalogue
	LC50 = Median lethal concentration
	LD50 = Median lethal dose
	LL50 = Median lethal level
	NA = Not applicable
	NOEC = No observed effect concentration
	NOEL: no-observed-effect level
	NOELR = No observed effect loading rate
	NOAEC = No observed adverse effect concentration
	NOAEL = No observed adverse effect level
	N.O.S. = Not Otherwise Specified
	OEL = Occupational Exposure Limits - Short Term Exposure Limits (STELs)
	PNEC = Predicted No Effect Concentration
	Quantitative structure-activity relationship (QSAR)
	STOT = Specific Target Organ Toxicity
	TWA = time weighted average
	VOC = Volatile organic compounds
	WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)

Sources of key data used to compile the datasheet : ECHA (European Chemicals Agency). LOLI. Supplier information.

Training advice : Training staff on good practice. Manipulations are to be done only by qualified and authorised persons.

	<b>SAFETY DATA SHEET</b>	Page : 13 / 13
		Revision nr : 2.0
		Issue date : 25/07/2025
	<b>Petroleum Coke</b>	Supersedes : 18/02/2025

Other information : Hazard classification and labeling of petroleum substances in the European Economic Area, Concawe – 2025 (<http://www.concawe.eu>).

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878  
Classification according to Regulation (EC) No. 1272/2008 [CLP]  
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

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