

**Trade name:** TIMREX Coke**Current version :** 4.0.1, issued: 04.05.2020**Replaced version:** 4.0.0, issued: 26.04.2018**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****TIMREX Coke**

Substance name                      Calcined petroleum coke (&gt; 97.5 %)

**Identification numbers**

CAS no.                                      64743-05-1

EC no.                                         265-210-9

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

Friction modifier

**Uses advised against**

No data available.

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

Imerys Graphite &amp; Carbon Switzerland Ltd.

Strada Industriale 12

6743                      Bodio (Switzerland)

Telephone no.                      +41 91 873 20 10

Fax no.                                      +41 91 873 20 19

e-mail                                      graphiteandcarbon.ch@imerys.com

**Information provided by / telephone**

Research and Development

**Advice on Safety Data Sheet**

sdb\_info@umco.de

**1.4 Emergency telephone number**

For Hazardous Materials [or Dangerous Goods] Incident

Spill, Leak, Fire, Exposure, or Accident

Call CHEMTREC Day or Night

International Number: +1 703-741-5970 (collect calls accepted)

Local number: +(44)-870-8200418

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification information**

This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP).

**2.2 Label elements**

Not relevant

**2.3 Other hazards**

No data available.

**SECTION 3: Composition/information on ingredients****3.1 Substances****Chemical characterization**

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**3.2 Mixtures**

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Not applicable. The product is not a mixture.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

#### After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration.

#### After skin contact

Wash off immediately with soap and water.

#### After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes).

#### After ingestion

Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.

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

No data available.

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

No data available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Foam; Water spray jet; Dry chemical extinguisher; Carbon dioxide

#### Unsuitable extinguishing media

High power water jet

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

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, carbon dioxide and smoke. Sulphur dioxide (SO<sub>2</sub>)

### 5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Avoid dust formation.

#### For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

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

Take up mechanically. When collected, handle material as described under the section heading "Disposal considerations".

### 6.4 Reference to other sections

No data available.

## SECTION 7: Handling and storage

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## 7.1 Precautions for safe handling

### Advice on safe handling

Provide good ventilation at the work area (local exhaust ventilation, if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn.

### General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work. Do not inhale dust. Provide eye wash fountain in work area.

### Advice on protection against fire and explosion

Dust can form an explosive mixture with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition.

## 7.2 Conditions for safe storage, including any incompatibilities

### Technical measures and storage conditions

Keep container tightly closed and dry.

### Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

### Incompatible products

None known

## 7.3 Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	Dust		
	<b>List of approved workplace exposure limits (WELs) / EH40</b>		
	Dust respirable		
	WEL long-term (8-hr TWA reference period)	4	mg/m <sup>3</sup>
	Comments	see Definition 44 "Dust"	
	<b>List of approved workplace exposure limits (WELs) / EH40</b>		
	Dust inhalable		
	WEL long-term (8-hr TWA reference period)	10	mg/m <sup>3</sup>
	Comments	see Definition 44 "Dust"	

### 8.2 Exposure controls

#### Appropriate engineering controls

No data available.

#### Personal protective equipment

##### Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. Dust mask

Respirator FFP2SL (EN 149)

##### Eye / face protection

Safety glasses with side protection shield (EN 166)

##### Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific workstation suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid

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permanent use of protective gloves.

**Other**

Normal chemical work clothing.

**Environmental exposure controls**

No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Form/Colour</b>	
Powder	
grey to black	
<b>Odour</b>	
odourless	
<b>Odour threshold</b>	
No data available	
<b>pH value</b>	
No data available	
<b>Boiling point / boiling range</b>	
No data available	
<b>Melting point / melting range</b>	
Value	appr. 2000 °C
<b>Decomposition point / decomposition range</b>	
No data available	
<b>Flash point</b>	
Not applicable	
<b>Ignition temperature</b>	
Value	> 600 °C
Reference substance	dispersed dust cloud
Value	> 365 °C
Reference substance	deposited dust
<b>Auto-ignition temperature</b>	
No data available	
<b>Oxidising properties</b>	
No data available	
<b>Explosive properties</b>	
No data available	
<b>Flammability (solid, gas)</b>	
No data available	
<b>Lower flammability or explosive limits</b>	
No data available	
<b>Upper flammability or explosive limits</b>	
No data available	
<b>Vapour pressure</b>	
Value	< 0.01 mbar
Reference temperature	20 °C
<b>Vapour density</b>	
No data available	
<b>Evaporation rate</b>	

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No data available	
<b>Relative density</b>	
No data available	
<b>Density</b>	
Value	2.04 - 2.06 g/cm <sup>3</sup>
Reference temperature	25 °C
<b>Bulk density</b>	
Value	800 - 850 kg/m <sup>3</sup>
<b>Solubility in water</b>	
Comments	insoluble
<b>Solubility(ies)</b>	
No data available	
<b>Partition coefficient: n-octanol/water</b>	
No data available	
<b>Viscosity</b>	
No data available	

## 9.2 Other information

<b>Other information</b>	
Flammability BZ1: not burning (100 °C), source of ignition: glowing platinum wire, 1000 °C approx.	
Impact sensitivity: not impact sensitive	

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Dangerous reactions are not expected if the product is handled according to its intended use.

### 10.2 Chemical stability

Stable if stored and handled properly.

### 10.3 Possibility of hazardous reactions

None, when used as directed.

### 10.4 Conditions to avoid

Avoid formation of dust. risk of dust explosions

### 10.5 Incompatible materials

none, if handled according to order

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

<b>Acute oral toxicity</b>	
LD50	> 2000 mg/kg
Species	rat
Method	OECD 401
<b>Acute dermal toxicity</b>	
No data available	
<b>Acute inhalational toxicity</b>	
No data available	
<b>Skin corrosion/irritation</b>	
Duration of exposure	4 h

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Species	rabbit
Method	OECD 404
Evaluation	non-irritant

Serious eye damage/irritation	
Species	rabbit
Method	OECD 405
Evaluation	slightly irritant

Respiratory or skin sensitisation	
No data available	

Germ cell mutagenicity	
No data available	

Reproduction toxicity	
No data available	

Carcinogenicity	
No data available	

STOT - single exposure	
No data available	

STOT - repeated exposure	
No data available	

Aspiration hazard	
No data available	

Delayed and immediate effects as well as chronic effects from short and long-term exposure	
Contact with the skin and eyes may cause mechanical irritation. Inhalation of dusts may irritate the respiratory tract.	

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish (acute)	
No data available	

Toxicity to fish (chronic)	
No data available	

Toxicity to Daphnia (acute)	
No data available	

Toxicity to Daphnia (chronic)	
No data available	

Toxicity to algae (acute)	
No data available	

Toxicity to algae (chronic)	
No data available	

Bacteria toxicity	
No data available	

### 12.2 Persistence and degradability

Biodegradability	
Evaluation	not degradable

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

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## 12.5 Results of PBT and vPvB assessment

No data available.

## 12.6 Other adverse effects

No data available.

## 12.7 Other information

### Other information

Do not discharge product unmonitored into the environment.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

#### Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

## SECTION 14: Transport information

### 14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

### 14.2 Transport IMDG

The product is not subject to IMDG regulations.

### 14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

### 14.4 Other information

No data available.

### 14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

### 14.6 Special precautions for user

No data available.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

## SECTION 15: Regulatory information

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

#### EU regulations

#### **Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

In accordance with the Reach regulation (EC) 1907/2006, the product does not contain any substances that are considered as subject to listing in annex XIV, inventory of substances requiring authorisation.

#### **REACH candidate list of substances of very high concern (SVHC) for authorisation**

In accordance with article 57 and article 59 of the Reach regulation (EC) 1907/2006, this substance is not considered as subject to listing in annex XIV, inventory of substances requiring authorisation ("Authorization list").

#### **Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES**

The substance is not subject to the provisions of annex XVII (restriction entries) of the Reach regulation (EC) 1907/2006.

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**Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances**

This substance is not subject to Part 1 or 2 of Annex I

**National regulations**

**National chemical inventories**

EINECS/ELINCS (European Community)	listed	
USA (TSCA)	listed	
DSL/NDSL (Canada)	DSL listed	
ECL (Korea)	listed	KE-06252
AICS (Australia)	listed	
IECSC / NEPA (China)	listed	
NZIoC (New Zealand)	listed	

**15.2 Chemical safety assessment**

No data available.

**SECTION 16: Other information**

**Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.  
 EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU  
 National Threshold Limit Values of the corresponding countries as amended in each case.  
 Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.  
 The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

**Department issuing safety data sheet**

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This information is based on our present knowledge and experience.  
 The safety data sheet describes products with a view to safety requirements.  
 It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

**Alterations/supplements:**

Alterations to the previous edition are marked in the left-hand margin.

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