



## SAFETY DATA SHEET CARBON BLACK POWDER

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

#### 1.1. Product identifier

|                          |                                                                                                            |
|--------------------------|------------------------------------------------------------------------------------------------------------|
| Product name             | CARBON BLACK POWDER                                                                                        |
| Product number           | 59383                                                                                                      |
| Synonyms; trade names    | 10001 VEG CARBON, 10001 VEG CARBON BTG, CARBON BLACK PDR BTG CARB1531                                      |
| REACH registration notes | This product is not classified as hazardous, the information in this datasheet is given for guidance only. |
| CAS number               | 7440-44-0                                                                                                  |
| EC number                | 231-153-3                                                                                                  |

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

|                 |               |
|-----------------|---------------|
| Identified uses | Food industry |
|-----------------|---------------|

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

|          |                                                                                                                                                                     |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supplier | Univar Solutions UK Ltd<br>Aquarius House<br>6 Mid Point Business Park<br>Bradford<br>BD3 7AY<br>+44 1274 267300<br>+44 1274 267306<br>SDS.EMEA@univarsolutions.com |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### 1.4. Emergency telephone number

|                     |                                |
|---------------------|--------------------------------|
| Emergency telephone | SGS - +32 (0)3 575 55 55 (24h) |
| Sds No.             | 59383                          |

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

|                       |                |
|-----------------------|----------------|
| Physical hazards      | Not Classified |
| Health hazards        | Not Classified |
| Environmental hazards | Not Classified |

#### 2.2. Label elements

|                   |                   |
|-------------------|-------------------|
| EC number         | 231-153-3         |
| Hazard statements | NC Not Classified |

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|                                 |                                                                                                                                                 |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautionary statements</b> | P233 Keep container tightly closed.                                                                                                             |
|                                 | P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.                                                                                     |
|                                 | P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
|                                 | P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.                                                                   |

### 2.3. Other hazards

Dust may form explosive mixture with air. This substance is not classified as PBT or vPvB according to current EU criteria.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

|                                 |                                                                                                            |
|---------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Product name</b>             | CARBON BLACK POWDER                                                                                        |
| <b>REACH registration notes</b> | This product is not classified as hazardous, the information in this datasheet is given for guidance only. |
| <b>CAS number</b>               | 7440-44-0                                                                                                  |
| <b>EC number</b>                | 231-153-3                                                                                                  |
| <b>Composition comments</b>     | The data shown are in accordance with the latest EC Directives.                                            |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                     |                                                                                                                                                                                              |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse nose and mouth with water. Get medical attention if any discomfort continues.     |
| <b>Ingestion</b>    | Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.                         |
| <b>Skin contact</b> | After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Get medical attention if any discomfort continues.                       |
| <b>Eye contact</b>  | Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. |

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

|                    |                                                                      |
|--------------------|----------------------------------------------------------------------|
| <b>Eye contact</b> | Solid particles trapped behind the eyelid may cause abrasive damage. |
|--------------------|----------------------------------------------------------------------|

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

|                             |                                                                     |
|-----------------------------|---------------------------------------------------------------------|
| <b>Notes for the doctor</b> | Treat symptomatically. If in doubt, get medical attention promptly. |
|-----------------------------|---------------------------------------------------------------------|

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                       |                                                                                        |
|---------------------------------------|----------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>   | Extinguish with the following media: Water spray, fog or mist. Alcohol-resistant foam. |
| <b>Unsuitable extinguishing media</b> | Do not use water jet as an extinguisher, as this will spread the fire.                 |

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

|                                      |                                                                                                                                              |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specific hazards</b>              | Dust may form explosive mixture with air. When heated and in case of fire, toxic vapours/gases may be formed.                                |
| <b>Hazardous combustion products</b> | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of the following substances: Carbon. |

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### 5.3. Advice for firefighters

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

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

**Personal precautions** Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of dust and contact with skin and eyes. Avoid generation and spreading of dust. Eliminate all sources of ignition. Evacuate area.

### 6.2. Environmental precautions

**Environmental precautions** Avoid discharge into water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

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

**Methods for cleaning up** Avoid generation and spreading of dust. Reduce airborne dust and prevent scattering by moistening with water. Remove spillage with vacuum cleaner or collect with a shovel and broom, or similar. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of dust and contact with skin and eyes. Observe good chemical hygiene practices.

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

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Avoid heat, flames and other sources of ignition.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup> respirable dust

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> inhalable dust

WEL = Workplace Exposure Limit.

#### **DNEL**

Industry - Inhalation; Long term local effects: 3 mg/m<sup>3</sup>

Industry - Inhalation; Long term systemic effects: 10 mg/m<sup>3</sup>

Workers - Inhalation; Short term local effects: 3 mg/m<sup>3</sup>

Consumer - Inhalation; Long term local effects: 0.5 mg/m<sup>3</sup>

Consumer - Inhalation; Short term local effects: 0.5 mg/m<sup>3</sup>

### 8.2. Exposure controls

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### Protective equipment



### Appropriate engineering controls

Provide adequate ventilation. Use mechanical ventilation if there is a risk of handling causing formation of airborne dust.

### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Dust-resistant, chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacture, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374.

### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

### Hygiene measures

When using do not eat, drink or smoke. Wash at the end of each work shift and before eating, smoking and using the toilet. Remove contaminated clothing and protective equipment before entering eating areas. Eye wash facilities and emergency shower must be available when handling this product.

### Respiratory protection

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m<sup>3</sup>. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. If ventilation is inadequate, suitable respiratory protection must be worn. Particulate filter, type P2. EN 136/140/141/145/143/149

## SECTION 9: Physical and chemical properties

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

|                                 |                             |
|---------------------------------|-----------------------------|
| Appearance                      | Powder. Dusty powder. Solid |
| Colour                          | Black.                      |
| Odour                           | Characteristic.             |
| Odour threshold                 | No information available.   |
| pH                              | No information available.   |
| Melting point                   | No information available.   |
| Pour Point                      | No information available.   |
| Freezing Point                  | No information available.   |
| Initial boiling point and range | No information available.   |
| Flash point                     | No information available.   |
| Evaporation rate                | No information available.   |
| Evaporation factor              | No information available.   |
| Flammability (solid, gas)       | No information available.   |

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|                                              |                                                    |
|----------------------------------------------|----------------------------------------------------|
| Upper/lower flammability or explosive limits | No information available.                          |
| Other flammability                           | No information available.                          |
| Vapour pressure                              | No information available.                          |
| Vapour density                               | No information available.                          |
| Relative density                             | No information available.                          |
| Bulk density                                 | No information available.                          |
| Solubility(ies)                              | Almost insoluble in the following materials: Water |
| Partition coefficient                        | No information available.                          |
| Auto-ignition temperature                    | No information available.                          |
| Decomposition Temperature                    | No information available.                          |
| Viscosity                                    | No information available.                          |
| Explosive properties                         | No information available.                          |
| Explosive under the influence of a flame     | No information available.                          |
| Oxidising properties                         | No information available.                          |
| <b><u>9.2. Other information</u></b>         |                                                    |
| Refractive index                             | No information available.                          |
| Particle size                                | No information available.                          |
| Molecular weight                             | No information available.                          |
| Volatility                                   | No information available.                          |
| Saturation concentration                     | No information available.                          |
| Critical temperature                         | No information available.                          |
| Volatile organic compound                    | No information available.                          |

### SECTION 10: Stability and reactivity

#### **10.1. Reactivity**

**Reactivity**                      There are no known reactivity hazards associated with this product.

#### **10.2. Chemical stability**

**Stability**                      Stable at normal ambient temperatures and when used as recommended.

#### **10.3. Possibility of hazardous reactions**

**Possibility of hazardous reactions**                      Dust may form explosive mixture with air. Under normal conditions of storage and use, no hazardous reactions will occur.

#### **10.4. Conditions to avoid**

**Conditions to avoid**                      Avoid excessive heat for prolonged periods of time.

#### **10.5. Incompatible materials**

**Materials to avoid**                      highly reactive chemicals

#### **10.6. Hazardous decomposition products**

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**Hazardous decomposition products** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of the following substances: Carbon.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** No information available.

##### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** No information available.

##### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** No information available.

##### Skin corrosion/irritation

**Skin corrosion/irritation** No information available.

##### Serious eye damage/irritation

**Serious eye damage/irritation** No information available.

##### Respiratory sensitisation

**Respiratory sensitisation** No information available.

##### Skin sensitisation

**Skin sensitisation** No information available.

##### Germ cell mutagenicity

**Genotoxicity - in vitro** No information available.

##### Carcinogenicity

**Carcinogenicity** No information available.

##### Reproductive toxicity

**Reproductive toxicity - fertility** No information available.

##### Specific target organ toxicity - single exposure

**STOT - single exposure** No information available.

##### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** No information available.

##### Aspiration hazard

**Aspiration hazard** No information available.

##### **Inhalation**

Dust in high concentrations may irritate the respiratory system.

##### **Ingestion**

No harmful effects expected from quantities likely to be ingested by accident.

##### **Skin contact**

Dust may cause slight irritation.

##### **Eye contact**

Solid particles trapped behind the eyelid may cause abrasive damage.

### SECTION 12: Ecological information

##### **Ecotoxicity**

The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.

#### 12.1. Toxicity

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**Toxicity** Not considered toxic to fish.

### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** No information available.

### 12.4. Mobility in soil

**Mobility** Almost insoluble in the following materials: Water.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### 12.6. Other adverse effects

**Other adverse effects** Not determined.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Waste should be treated as controlled waste. Do not puncture or incinerate, even when empty.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**  
No.

### 14.6. Special precautions for user

Not applicable.

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

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Transport in bulk according to Not applicable.  
Annex II of MARPOL 73/78  
and the IBC Code

### SECTION 15: Regulatory information

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

##### EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

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

Commission Regulation (EU) No 2015/830 of 28 May 2015.

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

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### Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.  
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.  
 CAS: Chemical Abstracts Service.  
 DNEL: Derived No Effect Level.  
 IATA: International Air Transport Association.  
 IMDG: International Maritime Dangerous Goods.  
 Kow: Octanol-water partition coefficient.  
 LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.  
 LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
 PBT: Persistent, Bioaccumulative and Toxic substance.  
 PNEC: Predicted No Effect Concentration.  
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.  
 RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
 vPvB: Very Persistent and Very Bioaccumulative.  
 IARC: International Agency for Research on Cancer.  
 MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.  
 cATpE: Converted Acute Toxicity Point Estimate.  
 BCF: Bioconcentration Factor.  
 BOD: Biochemical Oxygen Demand.  
 EC<sub>50</sub>: 50% of maximal Effective Concentration.  
 LOAEC: Lowest Observed Adverse Effect Concentration.  
 LOAEL: Lowest Observed Adverse Effect Level.  
 NOAEC: No Observed Adverse Effect Concentration.  
 NOAEL: No Observed Adverse Effect Level.  
 NOEC: No Observed Effect Concentration.  
 LOEC: Lowest Observed Effect Concentration.  
 DMEL: Derived Minimal Effect Level.  
 EL50: Exposure Limit 50  
 hPa: Hectopascal  
 LL50: Lethal Loading fifty  
 OECD: Organisation for Economic Co-operation and Development  
 POW: Octanol-water partition coefficient  
 SCBA: self-contained breathing apparatus  
 STP: Sewage Treatment Plant  
 VOC: Volatile Organic Compounds

### Classification abbreviations and acronyms

Acute Tox. = Acute toxicity  
 Aquatic Acute = Hazardous to the aquatic environment (acute)  
 Aquatic Chronic = Hazardous to the aquatic environment (chronic)

### Key literature references and sources for data

Supplier's information.

### Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

### Revision date

18/08/2020

### Version number

2.000

### Supersedes date

16/12/2019

### SDS number

59383

## CARBON BLACK POWDER

**SDS status**

Approved.

**Signature**

Lisa Bland