

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

### 1.1 Product identifiers

**Product name:** Carbon, High Purity, Granular OEA

**Catalogue no:** R21100

**SDS reference no:** R21100

**Brand:** OEA Labs

**EC index no(s):**

**REACH no:** The annual tonnage does not require registration.

**CAS no(s):** C[3815 11 00]

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

**Identified uses:** Elemental analysis scientific instrumentation. Not for pharmaceutical, domestic or other uses.

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

**Company name:** OEA Laboratories Limited  
Unit C2 Florence Road Business Park  
Kelly Bray, Callington, Cornwall  
PL17 8EX, United Kingdom

**Telephone:** +44 (0)1579 384174

**Fax:** +44 (0)1579 384174

**Email:** [sales@oealabs.com](mailto:sales@oealabs.com)

### 1.4 Emergency telephone number

**Telephone:** +44 (0)1579 384174, +44 (0) 1579 350212, +44 (0) 7811 102906

## SECTION 2. Hazards identification

### 2.1 Classification of the substance or mixture according to Regulation (EC) No 1272/2008

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

### 2.2 Labelling elements according to Regulation (EC) No 1272/2008

**Pictogram(s):**

**Signal word:**

**Hazard statement(s):**

- Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

**Precautionary statement(s):**

Restricted to professional users.

### 2.2 Other hazards

## SECTION 3. Composition/information of ingredients

### 3.1 Substances

**Synonyms:** Carbon black, gas black

**Formula:** C

**Molecular weight:**

**Components:**

Carbon Black Concentration: ~100%

CAS No 1333-86-4, EC No 215-609-9, -, Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008, ;

## SECTION 4. First aid measures

### 4.1 Description of first aid measures

**General advice:**

Consult a physician. Show this safety data sheet to the doctor in attendance.

**If Inhaled:**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact:**

Wash thoroughly with soap and water. Seek medical attention if symptoms develop.

**In case of eye contact:**

Flush eyes immediately with large amounts of water for 15 minutes. Seek medical attention if symptoms develop.

**If swallowed:**

Do not induce vomiting. If conscious, give several glasses of water. Never give anything by mouth to an unconscious person.

4.2

**Most important symptoms and effects, both acute and delayed**

Substance listed by IARC (International Agency for Research on Cancer). See also Section 11.

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:**

Use foam, carbon dioxide (CO<sub>2</sub>), dry chemical or water spray. A fog is recommended if water is used. DO NOT USE a solid water stream as it may scatter and spread fire.

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

Risk of Dust Explosion: Do not create a dust cloud by using a brush or compressed air.

### 5.3 Advice for firefighters

Wear suitable protective equipment. In the event of fire, wear self-contained breathing apparatus.

### 5.4 Further information

Hazardous Decomposition and/or Combustion Products: Carbon monoxide, Carbon dioxide, Organic products of decomposition.

## SECTION 6. Accidental release measures

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

CAUTION: Wet carbon black produces slippery walking surfaces. Avoid dust formation. Ensure adequate ventilation. Use personal protective equipment. See also Section 8.

### 6.2 Environmental precautions

Do not allow material to contaminate ground water system. The product is insoluble and floats on water. If possible, try to contain floating material. Local authorities should be advised if significant spillages cannot be contained.

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

Clean up promptly by vacuum. Use of a vacuum with high efficiency particulate air (HEPA) filtration is recommended. Do not create a dust cloud by using a brush or compressed air. Pick up and transfer to properly labelled containers. See Section 13.

### 6.4 Reference to other sections

For disposal see section 13.

## SECTION 7. Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breathe dust. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. Do not create a dust cloud by using a brush or compressed air.

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

Keep in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Do not store together with strong oxidizing agents.

### 7.3 Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## SECTION 8. Exposure controls/personal protection

### 8.1 Control parameters

**Components with workplace control parameters:**

Carbon Black

CAS No 1333-86-4, Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008; STEL, 7mg/m<sup>3</sup> inhalable, UK, EH40 WEL; TWA, 3.5mg/m<sup>3</sup> inhalable, UK, EH40 WEL

### 8.2 Exposure controls

**Appropriate engineering controls:**

Ensure adequate ventilation to maintain exposures below occupational limits. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

**Personal protective equipment:**

**Eye/face protection:**

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection:**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching

glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Body protection:**

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection:**

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Environmental protection:**

No data available.

## SECTION 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Form:**

**Colour:** Black

**Odour:** No data available.

**Odour threshold:** No data available.

**pH:** No data available.

**Melting point:** No data available.

**Boiling point:** No data available.

**Flash point:** No data available.

**Flammability solid/gas:** No data available.

**Upper/lower flammability or explosive limits:** No data available.

**Water solubility:** No data available.

**Autoignition temp:** >140°C (transport)

**Decomp temperature:** No data available.

**Explosive properties:** No data available.

**Oxidising properties:** No data available.

### 9.2 Other safety information

No data available.

## SECTION 10. Stability and reactivity

### 10.1 Reactivity

May react exothermically upon contact with strong oxidizers.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

Do not expose to temperatures above 300°C. Keep away from oxidizing agents in order to avoid exothermic reactions.

### 10.5 Incompatible materials

Strong oxidizers such as chlorates, bromates, and nitrates.

### 10.6 Hazardous decomposition products

Carbon monoxide, Carbon dioxide, Organic products of decomposition.

## SECTION 11. Toxicological information

### 11.1 Information on toxicological effects

**Acute toxicity:**

Oral LD50: LD50/oral/rat = > 8000 mg/kg.

**Skin corrosion/irritation:**

Skin Irritation: Rabbit. 0.6/8. Slight irritation.

**Serious eye damage/eye irritation:**

Eye Irritation: Rabbit. Draize score 10-17/110 @ 24 hr. Non-irritating.

**Respiratory or skin sensitisation:**

Contains no known sensitizers.

**Germ cell mutagenicity:**

A dimethylsulfoxide (DMSO) suspension of carbon black produced negative results in an Ames test.

**Carcinogenicity:**

Does not contain any substances listed by NTP (National Toxicology Program), OSHA (Occupational Safety and Health Administration), ACGIH (American Conference for Governmental Industrial Hygienists) or EU (European Union).

**Reproductive toxicity:**

Did not show effects in animal experiments.

**Specific target organ toxicity - single exposure:**

No data available.

**Specific target organ toxicity - repeated exposure:**

No data available.

**Aspiration hazard:**

No data available.

**Potential health effects - inhalation:**

No data available.

**Potential health effects - ingestion:**

No data available.

**Potential health effects - skin:**

No data available.

**Potential health effects - eyes:**

No data available.

**Signs and symptoms of exposure:**

No data available.

**Additional information:**

No data available.

## SECTION 12. Ecological information

### 12.1 Toxicity

**Toxicity to fish:**

Fish (Brachydanio rerio): LC50 (96hr) > 1,000 mg/L. (Method: OECD 203).

**Toxicity to daphnia and other aquatic invertebrates:**

Daphnia magna: EC50 (24hr) > 5,600 mg/L. (Method: OECD 202). OEC

**Toxicity to algae:**

Algae (Scenedesmus subspicatus): EC50 (72hr) > 10,000 mg/L.

**Toxicity to bacteria:**

Algae (Scenedesmus subspicatus): NOEC >= 10,000 mg/L.

### 12.2 Persistence and degradability

Not expected to degrade.

### 12.3 Bioaccumulative potential

Not expected due to physicochemical properties of the substance.

### 12.4 Mobility in soil

Insoluble. Expected to remain on soil surface.

### 12.5 Results of PBT and vPvB assessment

No data available.

### 12.6 Other adverse effects

No data available.

## SECTION 13. Disposal considerations

### 13.1 Waste treatment methods

**Product:**

Product, as supplied, should be disposed of in accordance with the regulations issued by the appropriate federal, state and local authorities.

**Contaminated packaging:**

Dispose of as unused product.

## SECTION 14. Transport information

**14.1 UN number**

ADR/RID/IATA/IMDG:

**14.2 UN proper shipping name**

ADR/RID/IATA/IMDG:

**14.3 Transport hazard class(es)**

ADR/RID/IATA/IMDG:

**14.4 Packaging group**

ADR/RID/IATA/IMDG:

**14.5 Environmental hazards**

ADR/RID/IATA/IMDG:

**14.6 Special precautions for user**

**14.7 Shipping quantities**

ADR LQ maximum:	<input type="text" value="Not dangerous goods"/>
ADR EQ code:	<input type="text" value="Not dangerous goods"/>
ADR EQ IP/pkg:	<input type="text" value="Not dangerous goods"/>
IATA LQ PInstruction:	<input type="text" value="Not dangerous goods"/>
IATA LQ IP/pkg:	<input type="text" value="Not dangerous goods"/>
IATA EQ code:	<input type="text" value="Not dangerous goods"/>
IATA EQ IP/pkg:	<input type="text" value="Not dangerous goods"/>
De minimus:	<input type="text" value="Not dangerous goods"/>

## SECTION 15. Regulatory information

This safety data sheet complies with the requirements of Regulation (EC) No 1907/2006

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

**15.2 Chemical safety assessment**

## SECTION 16 Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. OEA Laboratories Limited shall not be held liable for any damage resulting from the handling or contact with the above product. See [www.oelabs.com](http://www.oelabs.com) for terms and conditions of sale.