

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

### 1.1. Product identifier

**Product name:** CARBON (GRAPHITE) MINERAL  
**CAS number:** 7782-42-5  
**EINECS number:** 231-955-3  
**Product code:** A66813, A66825

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

**Use of substance / mixture:** Laboratory Chemicals, Manufacture of Substances.

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

**Company name:** PHILIP HARRIS  
2 Gregory Street  
Hyde  
Cheshire  
SK14 4HR  
United Kingdom  
**Tel:** +44 (0)845 1200 506  
**Fax:** +44 (0)161 367 2140  
**Email:** [enquiries@philipharris.co.uk](mailto:enquiries@philipharris.co.uk)

### 1.4. Emergency telephone number

**Emergency tel:** +44 (0) 845 1200 506

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification under CHIP:** This product has no classification under CHIP.

**Classification under CLP:** This product has no classification under CLP.

### 2.2. Label elements

**Label elements:** This product has no label elements.

### 2.3. Other hazards

**Other hazards:** The substance is not classified as hazardous to health or the environment according to the CLP regulation. This substance is not classified as dangerous according to Directive 67/548/EEC.

**PBT:** This product is not identified as a PBT/vPvB substance.

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**Section 3: Composition/information on ingredients**

**3.1. Substances**

**Chemical identity:** CARBON (GRAPHITE) MINERAL

**CAS number:** 7782-42-5

**EINECS number:** 231-955-3

**Section 4: First aid measures**

**4.1. Description of first aid measures**

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes. Remove contact lenses, if present and easy to do. Protect uninjured eye. Consult a doctor.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. Give nothing to eat or drink.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration.

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

**Skin contact:** May be harmful if absorbed through skin. May cause skin irritation.

**Eye contact:** There may be irritation and redness.

**Ingestion:** May be harmful if swallowed.

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

**Delayed / immediate effects:** No data available.

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

**Section 5: Fire-fighting measures**

**5.1. Extinguishing media**

**Extinguishing media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

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

**Exposure hazards:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Wear self-contained breathing apparatus. DO NOT fight fire when fire reaches explosives.

**Section 6: Accidental release measures**

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

**Personal precautions:** Avoid dust formation. Avoid inhalation of dust. Refer to section 8 of SDS for personal protection details.

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**6.2. Environmental precautions**

**Environmental precautions:** Do not discharge into drains or rivers.

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

**Clean-up procedures:** Spilled product must never be returned to the original container for recycling. Collect in closed and suitable containers for disposal. Clean contaminated objects and areas thoroughly observing environmental regulations.

**6.4. Reference to other sections**

**Reference to other sections:** Refer to section 13 of SDS.

**Section 7: Handling and storage**

**7.1. Precautions for safe handling**

**Handling requirements:** If handled uncovered, arrangements with local exhaust ventilation have to be used. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means. Protect from moisture.

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

**Storage conditions:** Storage temperature 15-25°C

**7.3. Specific end use(s)**

**Specific end use(s):** Apart from uses mentioned in section 1.2 no other specific uses are stipulated.

**Section 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Workplace exposure limits:** No data available.

**DNEL/PNEC Values**

**DNEL / PNEC** No data available.

**8.2. Exposure controls**

**Engineering measures:** Technical measures and the application of suitable work processes have priority over personal protection equipment. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Respiratory protection:** Not required under normal use with small quantities. Where protection from nuisance levels of dust are desired, use type P1 (EN143) dust masks. Use respirators and components tested and approved under appropriate government standards such as CEN (EU).

**Hand protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching the gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use.  
Wash and dry hands. Full contact  
Material: Nitrile rubber

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Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M) Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

**Eye protection:** Safety glasses with side-shields.

**Skin protection:** Protective clothing. Wash hands before breaks and after work. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Environmental:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## Section 9: Physical and chemical properties

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

**State:** Solid

**Colour:** Grey

**Odour:** Odourless

**Evaporation rate:** No data available

**Oxidising:** No data available

**Solubility in water:** No data available.

**Also soluble in:** No data available.

**Viscosity:** No data available

**Viscosity test method:** No data available.

**Boiling point/range°C:** No data available.

**Flammability limits %: lower:** No data available.

**Flash point°C:** No data available.

**Autoflammability°C:** No data available.

**Relative density:** No data available.

**VOC g/l:** No data available.

**Melting point/range°C:** 3697

**upper:** No data available.

**Part.coeff. n-octanol/water:** No data available.

**Vapour pressure:** No data available.

**pH:** No data available.

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** No data available.

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**10.2. Chemical stability**

**Chemical stability:** Stable at room temperature.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** No data available.

**10.4. Conditions to avoid**

**Conditions to avoid:** No data available

**10.5. Incompatible materials**

**Materials to avoid:** Strong oxidising agents.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** No data available.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Toxicity values:**

Route	Species	Test	Value	Units
ORAL	RAT	LD50	>2,000	mg/kg
DUST/MIST	RAT	LD50	>2,000	mg/kg

**Symptoms / routes of exposure**

**Skin contact:** May be harmful if absorbed through skin. May cause skin irritation.

**Eye contact:** There may be irritation and redness.

**Ingestion:** May be harmful if swallowed.

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

**Delayed / immediate effects:** No data available.

**Section 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity values:** No data available.

**12.2. Persistence and degradability**

**Persistence and degradability:** No data available.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No data available.

**12.4. Mobility in soil**

**Mobility:** No data available.

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

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

**Other adverse effects:** No data available.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

**Transport class:** This product does not require a classification for transport.

**Section 15: Regulatory information**

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

**15.2. Chemical Safety Assessment**

**Section 16: Other information**

**Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.