

I. Product and Company Identification

1.1 Identification of the substance or preparation:

OCS IMPREGNATED CARBON

1.2 Company Identification: Odour Control Systems Limited
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Hawarden Industrial Park
Manor Lane,
Hawarden,
Deeside.
CH5 3PP.
Tel: 01244 536700 Fax: 01244 535184

II. Composition/Information on Ingredients

2.1 CONSTITUENT	RANGE	CAS	CLASSIFICATION
Carbon		85% - 93%	7440-44-0
KOH		7 -15%	1310-58-3

III. Hazards Identification

3.1 This product is an odorless black granule or extruded pellet. Never enter a confined space containing activated carbon as it will adsorb oxygen and asphyxiation may result.

Prolonged or repeated exposure to dust may cause eye and respiratory tract irritation

IV. First Aid Measures

- 4.1 Eyes: Promptly flush with running water for 15 minutes including water under eyelids. Obtain medical attention.
- 4.2 Skin: Wash affected area well with water. Remove clothing, clean and dry thoroughly before re-use. Get medical help if irritation develops.
- 4.3 Ingestion: Give 1/2 pint of warm water to drink. Seek medical help urgently. Do not induce vomiting.
- 4.4 Inhalation: Remove to fresh air. Get medical help if irritation develops.

MATERIAL SAFETY DATA SHEET

V. Fire Fighting Measures

- 5.1 Flammable Properties:
- 5.2 Hazardous combustion products: Material will burn in a fire, releasing combustion products of carbon monoxide, and carbon dioxide.
- 5.3 General hazards: Other material adsorbed onto the carbon may also be released.
- 5.4 Extinguishing media: Water deluge, foam, dry chemical.
- 5.5 Fire fighting equipment: Self-contained breathing apparatus and full body protective clothing

VI. Accidental Release Measures

- 6.1 Spill and disposal procedure In the event of spillage, sweep/vacuum up and recover or dispose of spillage in a facility for controlled waste. Avoid breathing dust or wear an approved dust respirator. Wash down spill area with water containing detergent and flush away with plenty of water. Do not reuse empty packages but dispose of in a facility for controlled waste.

VII. Handling and Storage

- 7.1 Handling: Follow good handling and housekeeping procedures, avoid spills, accumulation of dust and generation of airborne dust. Avoid prolonged contact with skin and eyes. Avoid inhalation of dust. Wear protective gloves and safety glasses or goggles. Use in a well ventilated area.
- 7.2 Storage: Store in a sealed container in a clean, dry, well ventilated area away from strong oxidizers, strong acids, ignition sources, combustible materials, and heat.

VIII. Exposure Controls/Personal Protection

- 8.1 Eye protection: Wear safety glasses with side shields, safety goggles or a face shield, especially in dusty conditions. Provide an eye wash station nearby.
- 8.2 Skin protection: Gloves and overalls should be worn when handling this product.
- 8.3 Respiratory protection: A dust mask meeting CEN or NIOSH regulations should be worn when handling this product. Maximum permissible exposure limit for inert dust: 6mg m⁻³. When exceeded, an irritation of respiratory tract is possible.

MATERIAL SAFETY DATA SHEET

IX. Physical and Chemical Properties

9.1 Form:	Solid
Color:	Black
Smell:	Typical
Danger of explosion:	Under normal conditions no danger of explosion. In unfavorable conditions may form an explosive dust / air mixture
Bulk density:	Approx. 670gl-1
Solubility:	Insoluble (the alkali impregnation is water soluble)
pH value:	Strong alkali / suspension with water forms potassium hydroxide solution
Ignition temperature:	>250°C
Auto-ignition:	None

X. Stability and Reactivity

10.1 Chemical Stability:	Stable.
10.2 Conditions to avoid:	Heat and ignition sources, strong oxidizers and combustible materials.
10.3 Hazardous decomposition products:	CO, CO2
10.4 Hazardous polymerization:	None.

XI. Toxicological Information

11.1 No toxicological data available.	Material is classified as not dangerous.
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XII. Biological Information

12.1 No data available.	Material is unlikely to cause harm to the environment.
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XIII. Disposal Considerations

13.1 Disposal of product:	Dispose of material in a facility for controlled waste.
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XIV. Transport Information

14.1 UK Road:	This material has not been classified as dangerous for carriage.
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MATERIAL SAFETY DATA SHEET

XV. Regulatory Information

- 15.1 Hazardous component: Non-corrosive
- 15.2 R-phrases: R 35 irritates the eyes and skin
- 15.3 S-phrases: S 20 when using do not eat or drink
S 26 in case of contact with eyes flush carefully with water and consult a physician
S 45 in case of accident or indisposition consult a physician immediately.

XVI. Other Information

- 17.1 Special protection information: Moist carbon will selectively adsorb oxygen from the air and oxygen concentrations may be reduced rapidly in enclosed or poorly ventilated tanks and spaces. When entering even partially confined spaces containing moist carbon, effective ventilation must be provided or a suitable breathing appliance with independent air supply must be worn.

The above information is based on our present knowledge. A guarantee of specific properties is not given.

This information is given in good faith and is based on information and tests believed to be reliable. The suitability of this product for any particular use is not suggested or implied. This document is not a specification and properties shown are not guaranteed.

Information on this form is furnished in compliance with current legislation. It is the responsibility of the recipient to pass on this information to relevant departments/persons involved. Odour Control Systems Limited assumes no responsibility for injury of death and/or third persons, however caused. The user bailee and their respective employees and agents assume all such risks if reasonable safety procedures are not adhered to.

In addition, Odour Control Systems Limited assumes no responsibility for injury or death to the recipient of this material or third persons, or for any loss or damage to property, or for any consequential damage resulting from any abnormal use or theft of the material, and the user, owner, bailee and their respective employees and agents assume all such risks even when caused by negligence, omission, default or error in judgement of Odour Control Systems Limited or its agents.

Each recipient should carefully review this information, data and recommendations in this specific context of its intended use. This product should only be used according to the specific guidelines for use laid out in Odour Control Systems Limited publications. Use of these products is deemed to be acceptance of the above.

Always READ material safety data sheet before use.

preserving the environment

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