

ACTIVATED CARBON**Safety Data****1. Identification of the Substance and the Company****Substance Name**

Activated carbon

Intended Use

Absorption of chemical fumes from atmospheric air.

Company Name

Foster + Freeman Ltd, Vale Park, Evesham, Worcestershire, WR11 1TD, UK

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Emergency telephone number

Customer Support Department: ☎ + 44 (0) 1386 768050

2. Composition/Information on Ingredients

Contains no materials classified as hazardous under EC criteria.

Constituent	Chemical Formula	CAS No.	% (Weight)	Classification
Activated carbon	C	7440-44-0	100	Not dangerous

3. Hazards Identification

None.

4. First Aid Measures**General**

Obtain medical attention if any discomfort occurs following exposure.

Inhalation

Immediately remove victim to fresh air. If cough or other respiratory symptoms develop, obtain medical attention.

Ingestion

Immediately rinse mouth with water and provide fresh air. Give plenty of water to drink. If discomfort or gastro-intestinal symptoms develop, obtain medical attention.

Skin contact

Remove person from source of contamination. Wash affected area with soapy water. If irritation develops, obtain medical attention.

Eye contact

Immediately remove contact lenses (If any). Lift eyelids and flush eyes with water or proprietary eye bath solution. If redness, itching or other discomfort develops, obtain medical attention.

5. Fire Fighting Measures**Extinguishing media**Use extinguishing media appropriate for surrounding fire: Water; Powder; Foam; Carbon dioxide (CO₂). Water preferable. Avoid methods that create dust.**Unsuitable extinguishing media**

None known.

Special fire fighting procedures

None.

Special hazards in fireAirborne dust is an explosion hazard. Combustion products include toxic gases: Carbon monoxide (CO); Carbon dioxide (CO₂).

Special protective equipment

Self-contained breathing apparatus may be required.

6. Accidental Release Measures

Personal precautions during spill

Avoid breathing dust or wear an approved dust respirator.

Spill cleanup procedure

Avoid work practices that generate and disperse airborne dust. Carefully scoop or sweep up spillage and place in dry containers. Cover and label the containers. Re-use or dispose of spillage. Dispose of in accordance with Local Authority requirements. Collect residue using a vacuum cleaner with a particle filter. Wash down spill area with water containing detergent and flush away with plenty of water. Do not re-use empty packaging containers.

Environmental Precautions

None.

7. Handling and Storage

Handling precautions

Use mechanical ventilation when handling generates airborne dust. Wear adequate clean workwear and gloves.

Storage precautions

Store in original, closed containers. Store indoors in a cool (preferably frost-free), dry, ventilated environment. Store away from sources of ignition and solvent vapours. Do not store with: Explosives; Oxidising agents; Infectious materials.

Shelf life

Not applicable.

8. Exposure Controls and Personal Protection

Exposure Limits

Not applicable.

Protective equipment



Process control measures

Avoid work practices that generate and disperse airborne dust. Use engineering controls to reduce air contamination to permissible exposure level.

Ventilation

No specific recommendation. Forced ventilation may be required if air contamination exceeds an acceptable level.

Respiratory protection

Maintain adequate ventilation. Wear protection against nuisance dust when the general level exceeds 10 mg/m³, e.g. Dust mask/Filtering Face Piece (Class P2: EN143; Class FFP2: EN149; Type N95: US).

Hand protection

Wear protective gloves.

Skin protection

Wear appropriate clothing to prevent skin contact.

Eye protection

Wear dust resistant safety goggles when there is risk of eye contact.

Hygienic work routines

Do not smoke in work area. Observe hygienic work practices. Wash at the end of each work period and before eating, smoking or using the toilet.

9. Physical and Chemical Properties

Properties	Comments
Appearance	Granules
Colour	Black
Odour/Taste	Odourless/Tasteless
Solubility	Insoluble in water
Autoflammability	> 300°C

10. Stability and Reactivity

Stability

No particular stability concerns.

Conditions to avoid

Damp storage conditions. Freezing temperatures. Sources of heat. Flames. Sources of ignition.

Materials to avoid

Solvent vapours.

Hazardous decomposition products

Combustion products include toxic gases: Carbon monoxide (CO); Carbon dioxide (CO₂).

Hazardous polymerisation

Will not polymerise.

11. Toxicological information

No data available. Material is classified as Not Dangerous.

Health warnings

Dust may irritate respiratory system. Substance may cause skin/eye irritation.

12. Ecological Information

No data available.

Environmental hazards

Not regarded as dangerous to the environment.

13. Disposal Information

Disposal methods

Waste to be collected, sealed tightly in bags and disposed of on approved landfills. Dispose of in accordance with Local Authority requirements.

14. Transport Information

Not regulated.

15. Regulatory Information

Labelling

Does not require a hazard warning label in accordance with EC directives.

Risk phrases

Product may contain a fine powder. Treat as nuisance dust. Dust may form an explosive mixture with air.

Safety phrases

Material is classified as Not Dangerous.

Other Mandatory Phrases

None.

Other Regulations

Health & Safety at Work Act 1974

Control of Substances Hazardous to Health (COSHH) Regulations 1995

16. Other Information

General

This information is based on our present knowledge and should therefore not be construed as a guarantee of specific properties for the product or its suitability for a particular application.

Special Protection

Moist activated carbon will selectively adsorb oxygen from the air. Oxygen concentrations may therefore be reduced rapidly in enclosed or poorly ventilated tanks and other storage spaces. When entering even

partially confined spaces containing moist activated carbon, effective ventilation must be provided or a suitable breathing appliance with an independent air supply must be worn.

Note

The data contained in this Safety Data Sheet does not constitute a User's assessment of workplace risk as required by the Health & Safety at Work Act, Control of Substances Hazardous to Health (COSHH), Management of Health & Safety at Work Regulations or other Health & Safety legislation.

This Data Sheet has been supplied for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided. Please ensure that it is passed to the appropriate person(s) in your organisation capable of acting on the information.

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