

AKÖMA™

FROM THE HEART

MATERIAL SAFETY DATA SHEET

1 - Identification of Product and Supplier

Product Name: **Activated Charcoal Powder BPC 1934**
REACH Registered name: Activated carbon HDS REACH
Registered No.: 01-2119488894-16-0007/8
CAS No.: 7440-44-0
EINECS No.: 931-328-0

Supplier: **Akoma International (UK) LTD**
Unit 9A Sawley Park
Nottingham Road
Derby
DE21 6AS
Tel: +44 (0) 1332 613 967

Emergency Contact: Mr. Wynn Mensah – Tel: 01332 613 967

2 - Hazards identification:

Emergency Overview:

Odourless black powder, activated charcoal (especially when wet) can deplete oxygen from air in enclosed spaces and dangerously low levels of oxygen may result. When workers enter a vessel containing activated charcoal, follow procedures for enclosed spaces and in particular low oxygen levels. Works should also take appropriate precautions when dealing with spent (used) activated charcoal which may exhibit properties of the absorbed material.

Potential Health Effects:

Medical conditions aggravated by exposure: none documented

Routes of exposure:

Eyes: Not corrosive but may cause mild irritation

Skin: Not corrosive and not a primary irritant, mild irritation possible due to abrasive action of dust

Ingestion:	No known deleterious effects
Inhalation:	Possible mild irritation, due to drying and abrasive action of dust
Chronic Effects:	IARC, not listed NTP, not listed OSHA, not regulated

3 - Composition and information on ingredients:

Description:	Activated charcoal
CAS No:	7440-44-0
Use of Substance / Mixture:	Adsorbent

4 - First aid measures:

Inhalation:	Remove to fresh air, seek medical advise if cough or respiratory symptoms develop
Skin contact:	Wash with soap/water, seek medical advise if skin irritation occurs
Eye contact:	Flush with plenty of clean water, seek medical advise if irritation occurs
Ingestion:	Give one or two glasses of water to drink, seek medical advise if gastrointestinal symptoms develop.

5 - Fire - Fighting measures:

Prevention:	Keep away from sources of heat
Suitable extinguishing media:	Flood with water
Special exposure hazards:	Carbon monoxide / dioxide may be generation in the event of a fire
Flash point:	Not applicable
Non Flammable:	16CFR1500.44
Not Self Heating:	UN manual of Tests and Criteria, Test N.3
Flammability limits in Air:	LFL and UFL not applicable

6 - Accidental release measures:

Personal precautions:	Not applicable
Environmental:	Not applicable
Methods for cleaning up:	Sweep carefully place into suitable container for disposal in accordance with local and national regulations.

7 - Handling and storage:

Handling:	No associated hazards identified
Storage:	Store under ambient temperature conditions, avoid extremes of temperature. Store a way from any strong oxidisers.

8 - Exposure controls and personal protection:

Respiratory Protection:	Keep dust to a minimum, using engineering controls or suitable respiratory protection
Skin Protection:	Wear gloves if possible.
Eye Protection:	Wear safety glasses or dust tight goggles
Hygiene measures:	Wash hands before and after handling product. Exposure limits: OSHA and ACGIH not established any specific limits.

9 - Physical data and chemical properties:

Appearance:	Fine powder
Colour:	Black
Odour:	None
pH:	Not applicable
Boiling point:	Not applicable
Melting point:	Not applicable
Flash point:	Not applicable
Flammability (solid/gas):	Not applicable
Auto flammability:	Not applicable
Upper explosion limit:	Not applicable
Lower explosion limit:	Not applicable
Vapour pressure:	Not applicable
Solubility:	Not soluble in water or common organic solvents
Partition coefficient:	Not applicable

10 - Stability and Reactivity:

Conditions to avoid:	Sources of ignition
Materials to avoid:	Strong oxidisers
Hazardous decomposition products:	Combustion may result in generation of carbon dioxide/monoxide and oxides of nitrogen.
Hazardous polymerisation:	Will not occur

11 - Toxicological information:

Effects and hazards of eye contact:	May produce eye irritation
Effect and hazards of skin contact:	Product not a primary skin irritant
Effect and hazards of inhalation:	Product non toxic through inhalation
Effect and hazards of ingestion:	Product non toxic through ingestion, acute oral LD50 (rat) for active ingredient >1000mg/kg.

12 - Ecological information:

BOD/COD:	No information available
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13 - Disposal considerations:

Dispose of in accordance with local and national regulations

14 - Transport information:

Steam activated carbon has been tested according to UN Transport of Dangerous Goods test protocols for spontaneously combustible materials. It has been specially determined they are non hazardous for transportation with UN1362, class 4.2

15 - Regulatory information:

Product not classified as dangerous or hazardous.

Labelling Information

Product Name:	Activated charcoal Medicinal Charcoal Powder BPC 1934
Classification:	Pharmaceutical
Legal Status	PL 00726/5003R
S Phrases	Not applicable

16 - Other information:

Training instructions: Refer to possible hazard before use of this product.

Q.C. REQUIREMENTS

In-line with general product specification. Always satisfy suitability for specific application.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding it's' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.

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Activated Charcoal (Fine Powder) - MSDS