

## MATERIAL SAFETY DATA SHEET

1.0 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY /  
UNDERTAKING

1.1 Product Identifier:

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

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Use of Substance / Mixture: Adsorbent

1.3 Details of Supplier of the Safety Data Sheet

G. Baldwin & Co.  
173 Walworth Road  
LONDON  
SE17 1RW



#### 1.4 Emergency Telephone No:

UK +44 (0) 207 703 5550 (Office Hours)

### 2.0 COMPOSITION / INFORMATION ON INGREDIENTS

<b>Description:</b>	Activated charcoal
<b>CAS No:</b>	7440-44-0

### 3.0 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 regulate



#### 4.0 FIRST AID MEASURES

**Inhalation:** Remove to fresh air, seek medical advice if cough or respiratory symptoms develop

**Skin contact:** Wash with soap/water, seek medical advice if skin irritation occurs

**Eye contact:** Flush with plenty of clean water, seek medical advice if irritation occurs

**Ingestion:** Give one or two glasses of water to drink, seek medical advice if gastrointestinal symptoms develop.

#### 5.0 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

#### 6.0 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.

#### 7.0 HANDLING AND STORAGE



**Handling:** No associated hazards identified

**Storage:** Store under ambient temperature conditions, avoid extremes of temperature. Store away from any strong oxidisers.

## 8.0 EXPOSURE CONTROLS / 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.

## 9.0 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Fine powder
<b>Colour:</b>	Black
<b>Odour:</b>	None
<b>pH:</b>	Not applicable
<b>Boiling point:</b>	Not applicable
<b>Melting point:</b>	Not applicable
<b>Flash point:</b>	Not applicable
<b>Flammability (solid/gas):</b>	Not applicable
<b>Auto flammability:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Lower explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not applicable

**Solubility:** Not soluble in water or common organic solvents

**Partition coefficient:** Not applicable



#### 10.0 STABILITY AND REACTIVITY

**Conditions to avoid:** Sources of ignition

**Materials to avoid:** Strong oxides

**Hazardous decomposition products:** Combustion may result in generation of carbon dioxide/monoxide and oxides of nitrogen

**Hazardous polymerisation:** Will not occur

#### 11.0 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 LD<sub>50</sub> (rat) for active ingredient >1000mg/kg.

#### 12.0 ECOLOGICAL INFORMATION

**BOD /COD:** No information available

#### 13.0 DISPOSAL CONSIDERATIONS

Dispose of in accordance with local and national regulations

#### 14.0 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.



#### 15.0 REGULATORY INFORMATION

Product not classified as dangerous or hazardous.

<b>Classification:</b>	Pharmaceutical
<b>Legal Status:</b>	PL 00726/5003R
<b>S Phrases:</b>	Not applicable

#### 16.0 OTHER INFORMATION

This safety data sheet has been produced to comply with the preparation directive 1999/45/EC

Whilst every effort has been made to represent the product as accurately as possible, G. Baldwin & Co. provides no warranty with respect to this information and disclaims all liability associated with its use.