

**Section 1. Identification****1.1 Product Identifier** CH2042

Product Name CHARCOAL WOOD POWDER 1Kg.

CAS Number 7440-44-0

REACH Registration No A registration number is not available as the substance or its uses are exempt, the annual tonnage does not require a registration or the registration is envisaged for a later date.

**1.2 Relevant identified uses of the substance or mixture & uses advised against**

Uses of Material Chemical for industrial and laboratory use. Not suitable for domestic use.

**1.3 Supplier** WF Education GroupPhoenix House  
Battlefield Enterprise Park  
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**1.4 Emergency Telephone** (08:30-17:00) +44(0)1743 812200  
(24hr) 112  
(Have this document to hand)**Section 2. Hazards Identification****2.1 Classification of the substance or mixture****Classification according to regulation 1272/2008/EC**

Flammable solid, category 2

H228: Flammable solid.

**2.2 Label elements****Labelling according to regulation 1272/2008/EC**

Signal word Warning

Hazard Pictograms



Hazard Statements Flammable solid.

Precautionary Statements Keep away from heat / sparks/open flames/hot surfaces - No smoking. Wear protective gloves / protective clothing / eye protection / face protection.

## Section 3. Composition

### 3.1 Substances

| Component | CAS No.   | EEC No.   | REACH No. | Conc w/w | CLP Classification (1272/2008/CE) |
|-----------|-----------|-----------|-----------|----------|-----------------------------------|
| Charcoal  | 7440-44-0 | 231-153-3 |           | >90%     | Flam. Sol. 2                      |

## Section 4. First Aid

### 4.1 Description of first aid measures

|                                      |  |
|--------------------------------------|--|
| Eyes                                 | Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. OBTAIN MEDICAL ATTENTION.                                      |
| Skin                                 | Wash off skin thoroughly with water. Remove contaminated clothing immediately and wash before re-use. If discomfort persists OBTAIN MEDICAL ATTENTION. |
| Inhalation                           | Remove from exposure.  |
| Ingestion                            | Wash out the patients mouth thoroughly with water. Do not induce vomiting. In severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION.    |
| Personal protection for first aiders | Wear protective gloves / eye protection.   |

### 4.2 Most important symptoms and effects, both acute & delayed.

No further relevant information available.

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

No further relevant information available.

## Section 5. Fire Fighting

### 5.1 Extinguishing media

|                     |                    |
|---------------------|--------------------|
| Extinguishing Media | Water spray.       |
| Unsuitable Media    | Nothing specified. |

### 5.2 Special hazards arising from the substance or mixture

|         |                    |
|---------|--------------------|
| Hazards | A flammable solid. |
|---------|--------------------|

### 5.3 Advice for firefighters

|                         |   |
|-------------------------|---|
| Advice for firefighters | Consider all other materials in the vicinity. |
|-------------------------|---|

## Section 6. Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

|                     |   |
|---------------------|---|
| Personal Protection | Avoid breathing dust-wear respiratory protective equipment. |
|---------------------|---|

### 6.2 Environmental precautions

|               |   |
|---------------|---|
| Environmental | Presents no major environmental hazard. |
|---------------|---|

### 6.3 Methods and material for containment and cleaning up

|                |  |
|----------------|--|
| Major Spillage | Shovel/sweep up into container for removal Wash area down with copious amounts of water. |
| Minor Spillage | Wash area down with copious amounts of water.  |

### 6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

## Section 7. Storage & Handling

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing.

Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum.

### 7.2 Conditions for safe storage, including any incompatibilities

Well ventilated, cool, dry storage .

### 7.3 Specific end use(s)

See section 1.2.

## Section 8. Workplace Exposure & Personal Protection

### 8.1 Control parameters

| Component | CAS No    | Concentration | Workplace Exposure Limits |                         |
|-----------|-----------|---------------|---------------------------|-------------------------|
|           |           |               | Long Term (8hr TWA)       | Short Term 15min period |
| Charcoal  | 7440-44-0 | >90%          | -                         | -                       |

Exposure data source(s) No occupational exposure data currently available.

### 8.2 Exposure controls

|                        |  |
|------------------------|--|
| Respiratory Protection | If process creates significant amounts of dust use L.E.V. or wear suitable dust mask.                              |
| Hand Protection        | Wear gloves.   |
| Eye Protection         | Use tightly fitting chemical splash proof glasses or goggles.  |
| Skin Protection        | Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn. |
| Special Hazards        | No special precautions required.   |

## Section 9. Physical & Chemical Properties

### 9.1 Information on basic physical and chemical properties

|                       |                          |
|-----------------------|--------------------------|
| Appearance            | Black powder.            |
| Odour                 | No specific odour.       |
| pH                    | 4 @ 20°C Aqueous extract |
| Boiling Point         | Not available            |
| Melting Point         | Not applicable           |
| Flash Point           | Not applicable           |
| Upper Flammable Limit | Not applicable           |
| Lower Flammable Limit | Not applicable           |
| Auto Ignition         | Not applicable           |
| Explosive Properties  | No.                      |
| Oxidising Properties  | No.                      |
| Vapour Pressure       | Not applicable           |
| Relative Density      | Not available            |
| Water Solubility      | Insoluble in water.      |

### 9.2 Other information

No data available.

## Section 10. Stability & Reactivity

|   |                                 |
|---|---------------------------------|
| 10.1 Reactivity                         | No data available.              |
| 10.2 Chemical Stability                 | Stable under normal conditions  |
| 10.3 Possibility of hazardous reactions | No data available.              |
| 10.4 Conditions to Avoid                | No specific conditions.         |
| 10.5 Incompatible Materials             | No specific materials to avoid. |

**10.6** Hazardous Decomposition Products None unusual. Burning will produce smoke, carbon monoxide and/or carbon dioxide.

## Section 11. Toxicological Information

### 11.1 Information on toxicological effects

|                      |   |
|----------------------|---|
| Eyes                 | Contact with the solid or dust will be irritating to the eyes.                              |
| Skin                 | Contact with the solid or dust may be irritating to the skin.                               |
| LD50 Skin            | Not available   |
| Ingestion            | Low order of acute toxicity.  |
| LD50 Oral            | Not available   |
| Inhalation           | Inhalation of dust will produce irritation of the eyes, nose, throat and respiratory tract. |
| LD50 Inhalation      | Not available   |
| TCLo                 | Not available   |
| Carcinogenicity      | Not considered to be a carcinogen.  |
| Mutagenicity         | Not considered to be a mutagen.   |
| Reproductive Effects | None identified.  |

## Section 12. Ecological

|  |                                   |
|--|-----------------------------------|
| <b>12.1</b> Toxicity                         | No specific environmental hazard. |
| LC50 Algal                                   | Not available                     |
| LC50 Crustacea                               | Not available                     |
| LC50 Fish                                    | Not available                     |
| <b>12.2</b> Persistence and degradability    | No data available.                |
| <b>12.3</b> Bioaccumulative potential        | No data available.                |
| <b>12.4</b> Mobility in soil                 | No data available.                |
| <b>12.5</b> Results of PBT & vPvB assessment | Assessment not required.          |
| <b>12.6</b> Other adverse effects            | None known at present.            |

## Section 13. Disposal Considerations

### 13.1 Waste treatment methods

|                        |                                      |
|------------------------|--------------------------------------|
| Disposal Methods       | Do not dispose of as domestic waste. |
| Contaminated Packaging | Wash out containers with water.      |

## Section 14. Transport Information

|  |                                  |
|--|----------------------------------|
| <b>14.1 UN Number</b>                    | Non-restricted                   |
| <b>14.2 Proper Shipping Name</b>         | Non-restricted                   |
| <b>14.3 Transport classes</b>            |                                  |
| UN classification                        | None                             |
| Subsidiary hazard(s)                     | None                             |
| Transport category                       | None                             |
| ADR Hazard ID                            | Non-restricted                   |
| Tunnel Restriction Code                  | Non-restricted                   |
| <b>14.4 Packing Group</b>                | None                             |
| <b>14.5 Environment hazards</b>          | See section 12.                  |
| <b>14.6 Special precautions for user</b> | No special precautions required. |
| <b>14.7 Transport in bulk</b>            | Not transported in bulk.         |

## Section 15. Regulatory Information

### 15.1 Safety, health and environment regulations specific for substance/mixture.

#### Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE)

Classification Flammable solid, category 2

Signal word Warning

Hazard Pictograms



Hazard Statements H228  
Flammable solid.

Precautionary Statements P210, P280  
Keep away from heat / sparks/open flames/hot surfaces - No smoking. Wear protective gloves / protective clothing / eye protection / face protection.

### 15.2 Chemical safety assessment

Assessment not required.

## Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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