# MATERIAL SAFETY DATA SHEET

## 1 - Identification of Product and Supplier

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>Activated Charcoal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supplier:</td>
<td>Akoma International (UK) LTD</td>
</tr>
<tr>
<td></td>
<td>Unit 9A Sawley Park</td>
</tr>
<tr>
<td></td>
<td>Nottingham Road</td>
</tr>
<tr>
<td></td>
<td>Derby</td>
</tr>
<tr>
<td></td>
<td>DE21 6AS</td>
</tr>
<tr>
<td>Tel:</td>
<td>+44 (0) 1332 613 967</td>
</tr>
</tbody>
</table>

**Emergency Contact:**

Mr. Wynn Mensah – Tel: 01332 613 967

## 2 - Hazards identification:

**Classification of the substance or mixture**

- Classification (67/548/EEC): This product does not require labeling in sense of preparation guideline 1907/2006
- Classification (EU 1272/2008): This product does not require labeling in

**Label elements**

- Label in accordance with Regulation (EC) No 1272/2008

**Classification Under CLP**

- This product has no classification under CLP

**Label Elements**

- This product has no label elements

**Other hazards**

- Caution when wet activated carbon removes oxygen from the air causing a severe hazard to workers inside vessels or enclosed spaces containing activated carbon. Before entering such an area, follow the sampling and work procedures for low oxygen levels. Contact with airborne dust may be slightly irritating to eyes and respiratory tract. Observe all national and local regulations.

**PBT**

- This is not a PBT substance.
Supplementary Precautionary Statements: ---
Risk phrases and Safety phrases in full refer to Section 16 – Other Information

Other hazards
Adverse physio-chemical Properties: None
Adverse effects on human: Slight irritation to the eyes and respiratory tract.

3 - Composition and information on ingredients:

Components: Activated Charcoal Fine Powder (100%)
CAS No: N/A  EC No: NA
EINECS No: N/A

Substances: NA
Mixtures
EU INCI: US INCI
US INCI: N/A

4 - First aid measures:

Eyes: Bathe eye with running water for at least fifteen minutes.
Skin: Wash with plenty of soap and water.
Swallowing: Wash mouth out with water.
Inhalation: Remove casualty from exposure ensuring one’s own safety.

In case of doubt or if irritation and symptoms persist, seek medical advice.

5 - Fire - Fighting measures:


Special Hazards arising from substance or mixture: In combustion emits toxic fumes of carbon dioxide.

6 - Accidental release measures:

Precautions in case of leak or spill while transporting: Stop engine, mark the road and warn other road users. Keep public away while cleaning up.
Environmental precautions: Do not discharge into drains or rivers.
Cleaning up Methods: Transfer to a suitable container.

References to other Sections: Please refer to Section 8 - Exposure controls/personal protection for further information on personal precautions
Please refer to Section 13 - Disposal Considerations for further information on waste treatments.
7 - Handling and storage:

Precautions for safe handling: Avoid direct contact with substance. Avoid the formation or spread of dust in the air. Ensure there is sufficient ventilation of the area. Smoking is forbidden.

Storage conditions: Store in cool, well-ventilated area. Keep away from sources of ignition. Keep container tightly closed. Avoid incompatible materials and conditions – See section 10 of MSDS.

Suitable packaging: Must only be kept in original packaging.

8 - Exposure controls and personal protection:

Control Parameters:

<table>
<thead>
<tr>
<th>Work Place exposure Limits</th>
<th>Respirable Dust</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
<td>8 Hour TWA</td>
</tr>
<tr>
<td>EU</td>
<td>3mg/m3</td>
</tr>
</tbody>
</table>

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Approved particulate filter is recommended if excessive dust is generated.

Hand Protection: Protective gloves

Eye Protection: Safety glasses with side shields. Safety goggle. Ensure eye bath is to hand.

Skin Protection: Protective clothing with elasticated cuffs and closed neck.

Environment: Prevent from entering public sewers or the immediate environment.

9 - Physical data and chemical properties:

Physical state: Powder

Colour: Black

Odour: Odourless

10 - Stability and Reactivity:

Reactivity: Stable under recommended transport or storage conditions

Chemical stability: Stable under normal conditions

Hazardous Reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Conditions to avoid: Sources of ignition

Materials to avoid: Strong oxidizing agents

Hazardous decomposition: In combustion emits toxic fumes of carbon dioxide/carbon monoxide.
11 - Toxicological information:

<table>
<thead>
<tr>
<th>Route</th>
<th>Species</th>
<th>Test</th>
<th>Value</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dermal</td>
<td>Rbt</td>
<td>-</td>
<td>0</td>
<td>Skin Irritant</td>
</tr>
<tr>
<td>Dust/mist</td>
<td>Rat</td>
<td>1HLC50</td>
<td>&gt;64.4</td>
<td>mg/l</td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>LD50</td>
<td>&gt;2000</td>
<td></td>
</tr>
</tbody>
</table>

Skin Contact: There may be mild irritation at site of contact.
Eye contact: There may be irritation and redness.
Ingestion: No Symptoms.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.
Delayed/immediate effects: Not Applicable.
Other information: Not Applicable.

12 - Ecological information:

<table>
<thead>
<tr>
<th>Species</th>
<th>Test</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algae</td>
<td>72HLC50</td>
<td>Exempt</td>
<td>-</td>
</tr>
<tr>
<td>Daphnia</td>
<td>48HEC50</td>
<td>Exempt</td>
<td>-</td>
</tr>
<tr>
<td>Fish</td>
<td>96HLC50</td>
<td>Exempt</td>
<td>-</td>
</tr>
</tbody>
</table>

Persistence and degradability: Not Biodegradable.
Bio accumulative potential: No Bioaccumulation potential.
Mobility in soil: Non-volatile, insoluble in water.
PBT identification: This substance is not identified as a PBT substance.
Other adverse effects: Negligible Eco toxicity.

13 - Disposal considerations:

Disposal considerations: Land treatment (e.g. biodegradation of liquid sludge discards in soils etc.)
Recovery operations: Not applicable.
Waste code number: 15 02 03
Disposal of packaging: Dispose of as normal industrial waste.

NB: The users attention is drawn to the possible existence of regional or national regulations regarding disposal.
14 - Transport information:

<table>
<thead>
<tr>
<th>Transport classification</th>
<th>This product does not require a classification for transport.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper Shipping Name</td>
<td>None</td>
</tr>
<tr>
<td>UN No. Road</td>
<td>None</td>
</tr>
<tr>
<td>ADR Class</td>
<td>None</td>
</tr>
<tr>
<td>Hazard No (ADR)</td>
<td>None</td>
</tr>
<tr>
<td>Hazchem Code</td>
<td>None</td>
</tr>
<tr>
<td>UN No. SEA</td>
<td>None</td>
</tr>
<tr>
<td>IMDG Class</td>
<td>None</td>
</tr>
<tr>
<td>IMDG Pack Gr.</td>
<td>None</td>
</tr>
<tr>
<td>EMS</td>
<td>None</td>
</tr>
<tr>
<td>UN No. AIR</td>
<td>None</td>
</tr>
<tr>
<td>Air Class</td>
<td>None</td>
</tr>
<tr>
<td>Air Pack Gr.</td>
<td>None</td>
</tr>
<tr>
<td>IMDG Pack Gr.</td>
<td>Not applicable</td>
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</table>

15 - Regulatory information:

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Directives

Statutory Instruments

Approved Code of Practice
Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes
Workplace Exposure Limits EH40. CHIP for everyone HSG 108.

Chemical safety assessment
An assessment has not been executed as this is not a hazardous material according to article 31 of REACH 1907/2006.
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.

Revised: 20/04/2018