

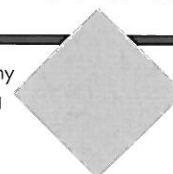
## 1. Product and Company Identification

**Product Name:** Hard Wood Charcoal Plates  
**Synonyms:** Charcoal  
**Item Numbers :** FD0600  
**Distribution**

**BULLNHEIMER & CO**

GmbH & Co KG

Im Tal 12 · D-86179 Augsburg · Germany  
P.O. Box 21 11 48 · D-86171 Augsburg  
Phone: +49 (0)821/8 08 50-0  
Fax: +49 (0)821/8 08 50-90/-92/-94



## 2. Composition/Information on Ingredients

Ingredient	% Weight	CAS No	Hazard class*	Risk phrase*
Charcoal	100	Not allocated	Not applicable	Not applicable

\*Hazard class & Risk phrase. These columns are only completed for ingredients which are classified as hazardous under EU Directive (67/548/EEC, as amended) and are present in sufficient concentration to make the overall substance hazardous. In all other situations, the column will be completed as "Not applicable".

## 3. Hazards Identification

### EMERGENCY OVERVIEW

This material when properly handled according to good working and hygienic practices is not dangerous to human health and the environment.

Precautions must take account of the hazards associated with the process materials.

For short and long term exposure effects see Section 11 Toxicological data.

Eye Effects: Activated charcoal dust may cause temporary discomfort.

Skin Effects: None.

Ingestion/ Oral Effects: None.

Inhalation Effects: None.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

## 4. First Aid Measures

**Eyes:** If dust enters the eye, flush with plenty of water. If irritation persists, seek medical advice.

**Skin:** None \*.

**Ingestion/Oral:** None \*.

**Inhalation:** After dust inhalation, remove to fresh air \*. If breathing problems occur, a qualified individual should administer oxygen or artificial respiration as indicated. Seek immediate medical attention.

**Other Information:** \* If the material is contaminated with process residue, seek medical advice appropriate to the materials involved in the process.

## 5. Fire Fighting Measures

**Extinguishing Media:** Foam. Do not use water in closed areas.

**Fire and Explosion Hazard:** Material burns slowly without flame.

**Hazardous decomposition products:** carbon dioxide, carbon monoxide.

**Special Protective Equipment for Fire Fighters:** In confined spaces, fire fighters should wear a self-contained breathing apparatus (SCBA) which meets appropriate standards operated in positive pressure mode, and full turnout gear.

For Flammability Properties - see Section 9

## 6. Accidental Release Measures

Sweep up spilt material. If there is significant dust content, wear dust mask protection and dampen to avoid raising dust. Sufficient concentrations of airborne dust can be flammable or explosive.

## 7. Handling and Storage

**Handling:** avoid raising dust.

**Storage:** store in clean, dry, air tight containers.

If a charcoal comes in contact with toxic or corrosive process materials, the charcoal should be handled, used and/or disposed of in the same fashion as the toxic chemical.

## 8. Exposure Controls/Personal Protection

### Exposure Limits

Ingredient ACGIH - TLV - OSHA - PEL Occupational Exposure

Limits EH40 (UK) Activated charcoal 2 mg/m<sup>3</sup> (as graphite)

15 mppcf (2.5 mg/m<sup>3</sup> )(as graphite)

10mg/m<sup>3</sup> (total dust) TWA

5mg/m<sup>3</sup> (respirable dust)

### Personal Protection:

Engineering Measures: None required.

Respiratory Protection: Wear dust mask where the material includes significant dust.

Hand/Skin Protection: Wear gloves.

Eye/Face Protection: Wear goggles.

Hygiene Measures: Practice good workplace hygiene. Do not eat or smoke when handling. Wash hands after handling and before eating.

Other/General Protection: None.

## 9. Physical and Chemical Properties

Appearance and Odour Black odourless solid.

Boiling Point Not applicable 0C/ 0F

PH (as supplied) 5-8

Freezing Point No data available 0C/ 0F

Solubility in Water Insoluble

Auto Ignition >400/752 0C/ 0F

Volatile Content by Volume None.

Material does absorb gases/vapours which may subsequently be released

Flash Point No data available 0C/ 0F

Specific Gravity 0.45-0.48 20°C/68°F

Vapour Pressure (mbar) No data available Vapour

Pressure (Torr) No data available

## 10. Stability and Reactivity

**Stability:** Stable

**Material/Conditions to Avoid until req'd for use:** Strong oxidising agents, air, metals, halogens, and unsaturated oils. .

**Hazardous Decomposition:** Carbon dioxide, carbon monoxide.

## 11. Toxicological Information

For a comprehensive description for the various toxicological (health) effects which may arise if the user comes into contact with the substance or preparation refer to Section 3 Hazards Identification.

### **Animal Data:**

LD50 value: No data available.

LC50 value: No data available

### **Carcinogenicity, etc:**

No known carcinogenic hazards. Material is non toxic by inhalation, ingestion and by contact.

## 12. Ecological Information

Material is insoluble in water. No ecological assessment available.

## 13. Disposal Considerations

Dispose of according to national and local regulations. Material is not classified as hazardous, dangerous or toxic.

Approved landfill sites can be used. If the material has been used on processes involving hazardous gases/vapours, disposal must take into account their possible presence in the sorbent.

## 14. Transport Information

This product is not classified as dangerous under transport regulations.

PARAMETER EUROPEAN CANADIAN TDG UNITED STATES DOT

Proper Shipping Name Not applicable Not applicable Not applicable

Hazard Class Not applicable

Identification Number Not applicable

Shipping Label Not applicable

## 15. Regulatory Information

### **European Regulatory Information**

This product has been classified in accordance with the Dangerous Substances Directive (67/548/EEC, as amended) and the Preparations Directive (88/379/EEC, as amended), implemented in the UK as the Chemical(Hazard Information and Packing) Regulations 1994 (CHIP, as amended).

Classified as dangerous to supply : No

Risk Phrases : Not applicable

Safety Phrases : Not applicable

Symbols : None

#### 16. Other Information

This MSDS is compiled in accordance with ANSI Z400.1 and the EU Safety Data Sheet Directive 91/155/EEC.

DATA DELIVERED FROM THE MANUFACTURER

**Glossary** : **CAS**, Chemical Abstracts Service; **NFPA**, National Fire Protection Association; **HMIS**, Hazardous

Material Information Service; **LD**, Lethal Dose; **LC**, Lethal Concentration; **ACGIH**, American Conference of Governmental Industrial Hygienists; **TLV**, threshold limit value; **OSHA**, Occupational Safety and Health Administration, US department of Labour; **PEL**, Permissible exposure limit; **EH40 (UK)**, HSE Guidance Note EH40

Occupational exposure limits; **PPM**, parts per million; **TWA**, Time-Weighted Average; **STEL**, Short Term Exposure

Limit; **Canadian TDG**, Canadian Transportation of Dangerous Goods; **US DOT**, US Department of Transportation.

**HSDB**, Hazardous Substances Data Bank; **RTECS**, Registry of Toxic Effects of Chemical Substances; **CHEMID**,

Chemical Identification; **DSL**, Domestic Substances List ; **TSCA**, Toxic Substances Control Act Public Law 94-469:

**CERCLA**, Comprehensive Environmental Response, Compensation and Liability Act; **EPCRA**, Emergency

Planning and Community Right-to-Know Act; **CAA**, Clean Air Act; US, **SARA (Title III)**, Superfund Amendments

and Reauthorization Act.; **SARA 313**, Superfund Amendments and Reauthorization Act, Section 313;

**EHS**,

Extremely Hazardous Substance; **WHMIS**, Workplace Hazardous Materials Information System.

#### Revisions

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Although the information and recommendations in this data sheet are to the best of our knowledge correct, it is recommended that you make your own determination of the material's suitability for your purpose before you use it. The information contained in this data sheet has been reproduced from the manufacturers data, the accuracy of this information is the responsibility of the manufacturer.

accept no responsibility for damage of any nature resulting from the use of, or the reliance upon this data sheet.



E-Mail: [info@bullnheimer.de](mailto:info@bullnheimer.de)  
Internet: <http://www.bullnheimer.de>



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