

Safety data sheet

1. Product Information

Description Loose wood dust (heat treated)

Manufacturer: Filtertechnik Unit 10, Easter Park, Lenton Lane Industrial Estate, Nottingham, NG7 2PX, UK.

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Substance:

- Loose wood dust
- Crystalline aluminosilicate

Uses: Filter medium for biodiesel purification

2. Information on ingredients

Wood dust (CAS No. Not assigned. EINECS classification: Not classified):

3. Hazards identification

Harmful by inhalation and skin contact. Identified as carcinogenic and a sensitiser under HSE EH40 2007 and may irritate skin causing dermatitis. No "R" phrases have been assigned.

4. First aid procedures

EYES: Irrigate with water. If discomfort persists obtain medical attention.

INHALATION: Remove from exposure to fresh air. If discomfort persists seek medical attention.

SKIN: Wash off with soap and water.

INGESTION: Wash out mouth with water.

5. Fire fighting measures

Accumulations of dust are combustible if exposed to an ignition source. Use: Water based extinguishers in the event of a fire. Loose dust arising in the work atmosphere is an explosion hazard.

Extinguishing Media: Foam, Dry Chemical, CO₂, Water, Sand. Special fire fighting procedures: Tends to smolder after combustion. Use water to wet down wood to reduce the likelihood of ignition or dispersion of dust into the air. Remove burned or wet dust to open area after fire is extinguished.

6. Accidental release measures

Vacuum up wood dust for recovery or disposal, avoid generation of dusty conditions through brushing. Provide good general ventilation.

7. Handling and storage

Care should be taken during handling to protect skin. Follow good housekeeping practices; clean up areas where wood dust settles to avoid excessive accumulation of this combustible material. Avoid generation of explosive levels of wood dust in air. Store in a cool, dry, well ventilated area.



8. Exposure controls

Eco₂pure™ Wood dusts: Eco₂pure™ 5mg/m (8hr TWA) reference HSE EH40

Respirator: Approved respirator under dusty conditions required with an assigned protection factor (APF) of 10 or more using a P3 filter.

Ventilation: Local Exhaust: Due to explosive potential of wood dust when suspended in air, precautions should be taken to prevent sparks including electrostatic discharges or other ignition sources in ventilation equipment. Use of totally enclosed "ATEX rated" motors is recommended.

Hands: General purpose occupational gloves are recommended to reduce skin contact, except where moving machinery parts expose fingers to hazards.

Eyes: Safety glasses or goggles recommended in situations giving rise to high levels of dust.

Body: Where whole body contamination with wood dust occurs wear coveralls of synthetic (non cotton) material with low dust retention characteristics.

9. Physical and chemical properties

Tan coloured wood dust

General Information

Form:	Beads
Colour:	Beige
Odour:	Odourless
Change in condition	
Melting point/Melting range:	2000°C
Boiling point/Boiling range:	Undetermined
Flash point:	Not applicable
Flammability (solid, gaseous):	Product is not flammable
Self-igniting:	Product is not self-igniting
Danger of explosion:	Product does not present an explosion hazard
Vapour pressure at 20°C:	--hPa
Density at 20°C:	2.1g/cm ³
Solubility in/Miscibility with water:	Insoluble
pH-value at 20°C:	7-11
Viscosity:	
Dynamic at 20°C:	--mPas

10. Stability and reactivity

Stable and non-reactive at ambient conditions.

Keep away from sources of ignition.

11. Toxicological information

Quantitative data on the toxicity of this product are not available. Wooddusts have historically been causes of nasal cancer and are known respiratory sensitisers causing asthma. Chronic skin exposure to Wooddust may cause dermatitis.

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12. Environmental exposure controls

Quantitative data on the ecological impact of this product are not available. Adverse effects on the environment cannot be excluded but unlikely when handled, stored, and disposed of appropriately.

13. Disposal considerations

If recycling is not possible the material should be sent for energy recovery. Landfill can be used as a last resort. It is however the user's responsibility to ensure wastes are disposed of in accordance with local and national legal requirements and if in doubt contact their local Environment Agency office.

14. Transport information

No transport warning sign required.

Freight classification: NMFC - 48210 Column 55

DOT: Not Regulated.

NMF Classification: Class 50 – Item 113200

Cedar is Class 70 - Item 113220

15. Regulatory information

Within the UK, the use of this material at work must be assessed under the Control of Substances Hazardous to Health (COSHH) Regulations.

16. Additional information / comments

Wood dust in the work atmosphere is a strong to severe explosion hazard if dust "cloud" contacts an ignition source.

Partially burned dust is especially hazardous if dispersed in air. 212°F (100°C) has been suggested as the upper temperature limit for continuous exposure of wood without risk of ignition. (Wood dust may require still a lower temperature.)

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