


Material Safety Data Sheet

Section 1. Chemical Product and Company Identification		
Product Name:	Activated Charcoal	Version: 4 Effective Date: 20 June, 2014
Supplier/ Manufacturer:	Chemfax Products Ltd. 11444 – 42 Street SE Calgary, AB T2C 5C4 Tel: 403-287-2055	
Material Uses	Gas absorption, purification, decolourisation, separation	
24 Hour Emergency	Canutec (613) 996-6666	
WHMIS		
		
This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR		
HMIS Ratings for this product are: Health 1 , Flammability 1 , Reactivity 0		

Section 2. Composition and Information on Ingredients		
Name	CAS#	% by weight
Activated carbon	7440-44-0	100
See Section 8 for information on permissible exposure limits and threshold limit values		

Section 3. Hazards Identification	
Physical State and Appearance	Odourless, black granules or powder
Hazard Summary	Irritant.
Routes of Exposure	Skin contact, eyes, inhalation, ingestion
Potential Acute Health Effects	<p>Skin: May cause mild irritation of the skin due to abrasive action</p> <p>Eyes: May cause mild physical irritation</p> <p>Inhalation: May cause mild irritation of the respiratory tract due to drying and abrasive action of the dust</p> <p>Ingestion: No known deleterious effects</p>

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Medical Conditions Aggravated by Exposure	None documented
See Toxicological Information – Section 11	
Additional Hazard Identification Remarks	Activated charcoal (especially when wet) can deplete oxygen from air in enclosed spaces, and dangerously low levels of oxygen may result

Section 4. First Aid Measures	
Eye Contact	Flush eyes with water for 15 minutes. Seek medical attention.
Skin Contact	Flush area with water. If irritation persists seek medical attention. Launder clothing before reuse.
Inhalation	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
Ingestion	Rinse mouth with water if conscious. Do not induce vomiting. Lay victim on left side to prevent aspiration of any vomit. Seek immediate medical attention.
Notes to Physician	None
Additional First Aid Remarks	None

Section 5. Fire Fighting Measures	
Flammability of the Product	Not applicable
Flash Point	Not applicable
Explosive Limits	Not applicable
Auto Ignition Temperature	Not applicable
Static Discharge	No
Suitable Extinguishing Media	Water fog, fine water spray, carbon dioxide, foam
Hazardous Combustion Products	Smoke and carbon dioxide and monoxide. Air borne dust may form explosive mixtures. Activated carbon is difficult to ignite but will burn slowly without producing smoke or flames.
Precautions for Fire Fighting	Fire fighters should wear self contained breathing apparatus and full protective clothing. Use water spray to cool containers and structures exposed to fire.

Section 6. Accidental Release Measures	
Personal Precautions	Gloves, coveralls, safety glasses

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Environmental Precautions	Do not allow spilt material to enter sewers and surface watercourses. Activated charcoal (especially when wet) can deplete oxygen from air in enclosed spaces, and dangerously low levels of oxygen may result
Methods for Clean Up	Seep up spilt material, avoid making dust as air/dust mixtures may explosive. Dust is irritating to respiratory tract.

Section 7. Handling and Storage	
Handling	Handle with care.
Storage	Store in a cool dry place - activated charcoal (especially when wet) can deplete oxygen from air in enclosed spaces, and dangerously low levels of oxygen may result.

Section 8. Exposure Controls and Personal Protection			
Exposure Guidelines	TWA: 8 Hr	STEL: 15 min	Ceiling
Activated carbon	7.5 mg/m ³ – total dust 2.5 mg/m ³ – respirable fraction OSHA		
Exposure Controls	Local exhaust ventilation		
Personal Protection			
Respiratory	Air purifying respirator fitted with HEPA filters if exposure limits are exceeded		
Skin	Gloves, coveralls		
Eyes	Safety glasses		
Other	None		

Section 9. Physical and Chemical Properties	
Physical State and Appearance	Odourless, black granules or powder
Odour Threshold	Not applicable
pH	Not applicable
Boiling Point	No data
Melting Point / Freezing point	No data
Evaporation Rate	Not applicable
Vapour Density	Not applicable
Vapour Pressure	Not applicable
Relative Density	Granules – 21 – 25 lbs/ft ³ Powder – 15 – 35 lbs/ ft ³
Solubility in Water	Insoluble
% Volatile	Not applicable
Other Data	None

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Section 10. Stability and Reactivity	
Chemical Stability	Stable
Hazardous Polymerisation	Will not occur
Conditions to Avoid	High humidity, air / dust mixtures
Materials to Avoid	Contact with strong oxidisers – ozone, liquid oxygen, chlorine, permanganate etc, which may result in rapid combustion. Strong acids
Hazardous Decomposition Products	Carbon monoxide and dioxide

Section 11. Toxicological Information	
Principle Routes of Exposure	
Skin:	May cause mild irritation of the skin due to abrasive action
Eyes:	May cause mild physical irritation
Inhalation:	May cause mild irritation of the respiratory tract due to drying and abrasive action of the dust
Ingestion:	No known deleterious effects
Additional Information	
Acute Toxicity	
Activated carbon	Not toxic in its original state
Chronic Toxic Effects – None known	
Carcinogenicity – Not listed	
Reproductive Toxicity / Teratogenicity / Embryotoxicity / Mutagenicity – None known	

Section 12. Ecological Information	
Ecotoxicity	No data
BOD and COD	No data
Biodegradability / OECD	No data
Toxicity of the Products of Biodegradation	No data
Special Remarks	None

Section 13. Disposal Considerations	
Dispose of in accordance with local, provincial and federal regulations	

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Section 14. Transport Information	
TDG Classification	Not regulated for TDG
Emergency Response Guide #	Not applicable
Marine Pollutant	No
Special Precautions	None

Section 15. Regulatory Information	
Canada – DSL Inventory	All components of this product are either on the Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL) or exempt
TSCA	All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt
WHMIS Hazard Class	D2B
Additional Information	None

Section 16. Other Information	
Prepared by: Chemfax Products Ltd., Technical Department	
Date Prepared: 17 August, 2012	
Revision Date: 20 June, 2014	
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