



MATERIAL SAFETY DATA SHEET

Anthracite Filter Media

Section 01 - Chemical And Product And Company Information

Product Identifier Anthracite Filter Media

Product Use Filter media

Supplier Name..... ClearTech Industries Inc.
2302 Hanselman Avenue
Saskatoon, SK, Canada
S7L 5Z3

Prepared By..... ClearTech Industries Inc. Technical Department
Phone: (306)664-2522

Preparation Date..... May 22, 2007

24-Hour Emergency Phone..... 306-664-2522

Section 02 - Composition / Information on Ingredients

Hazardous Ingredients..... Anthracite Coal 100%

CAS Number..... Anthracite Coal 8029-10-5

Synonym (s)..... Anthrafil

Section 03 - Hazard Identification

Inhalation..... Dust may cause upper respiratory tract irritation.

Skin Contact / Absorption..... None known

Eye Contact..... Dust may cause mechanical eye irritation.

Ingestion..... None known

Exposure Limits..... Not available

**Section 04 - First Aid Measures**

- Inhalation**..... Not usually a hazard under normal use conditions. If breathing problems arise, remove victim to fresh air.
- Skin Contact / Absorption**..... Remove contaminated clothing and wash affected area with soap and water.
- Eye Contact**..... Flush immediately with water for at least 20 minutes. Forcibly hold eyelids apart to ensure complete irrigation of eye tissue. Seek medical attention if irritation persists.
- Ingestion**..... Do not induce vomiting. Not toxic by ingestion. If large amounts have been ingested, seek medical attention.
- Additional Information**..... None

Section 05 - Fire Fighting

- Conditions of Flammability**..... Non-combustible under normal circumstances. Anthracite has a very high ignition temperature.
- Means of Extinction**..... Use water to extinguish the fire.
- Flash Point**..... 925°C (ignition temperature in air)
- Auto-ignition Temperature**..... Not applicable
- Upper Flammable Limit** Not applicable
- Lower Flammable Limit**.....Not applicable
- Hazardous Combustible Products**.. Carbon dioxide, oxides of sulphur and nitrogen. In the case of incomplete combustion, carbon monoxide and acrid smoke.
- Special Fire Fighting Procedures**....Wear NIOSH-approved self-contained breathing apparatus and protective clothing.
- Explosion Hazards**.....Not applicable



Section 06 - Accidental Release Measures

Leak / Spill..... Wear appropriate personal protective equipment. Ventilate area and avoid raising up dust. Sweep up solids and place in appropriate sealed container for disposal. Prevent material from entering sewers.

Deactivating Materials..... None

Section 07 - Handling and Storage

Handling Procedures..... Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure.

Storage Requirements..... Store in a cool, dry, well-ventilated place. Keep container tightly closed, and away from heat, ignition sources and incompatible materials.

Section 08 - Personal Protection and Exposure Controls

Protective Equipment

Eyes..... Chemical goggles, full-face shield, or a full-face respirator is to be worn at all times when product is handled. Contact lenses should not be worn; they may contribute to severe eye injury.

Respiratory..... Respiratory protection is not normally required. If use creates dust formations, then a NIOSH-approved respirator with a dust cartridge is recommended.

Gloves..... Impervious gloves of chemically resistant material (rubber or PVC) should be worn. Wash contaminated clothing and dry thoroughly before reuse.

Clothing..... Body suits, aprons, and/or coveralls of chemical resistant material should be worn. Wash contaminated clothing and dry thoroughly before reuse.

Footwear..... No special footwear is required other than what is mandated at place of work.

Engineering Controls

Ventilation Requirements..... Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and control of process conditions should be provided. Supply sufficient replacement air to make up for air removed by exhaust systems.

Other..... Emergency shower and eyewash should be in close proximity.

**Section 09 - Physical and Chemical Properties**

Physical State..... Solid

Odor and Appearance..... Black odourless granules or coarse powder

Odor Threshold..... Not applicable

Specific Gravity (Water=1)..... 1.65

Vapor Pressure (mm Hg, 20C)..... Not available

Vapor Density (Air=1)..... Not available

Evaporation Rate..... ~0

Boiling Point..... Not available

Freeze/Melting Point..... Not available

pH..... Not available

Water/Oil Distribution Coefficient.... Not available

Bulk Density..... Not available

% Volatiles by Volume..... Not available

Solubility in Water..... Insoluble

Molecular Formula..... C

Molecular Weight..... 12

Section 10 - Stability and Reactivity

Stability..... Product is stable

Incompatibility..... Oxidizing materials

Hazardous Products of Decomposition... Carbon monoxide, carbon dioxide, oxides of sulphur, hydrogen sulfide.

Polymerization..... Will not occur



Section 11 - Toxicological Information

Irritancy..... Inhalation during use may have minor effects (coughing, sneezing).

Sensitization..... Not available

Chronic/Acute Effects..... Excessive, long-term inhalation exposure to coal dust may lead to a condition called workers' pneumoconiosis (or "Black Lung"). This condition may be characterized by or associated with a cough, shortness of breath, reduction in pulmonary function, pulmonary hypertension, bronchitis, emphysema and premature death. It primarily occurs among employees in the coal mining industry where chronic exposures to coal and associated hard rock are common.

Synergistic Materials..... Not available

Animal Toxicity Data..... Not available

Carcinogenicity..... Not listed by IARC and ACGIH as a carcinogenic.

Reproductive Toxicity..... Not available

Teratogenicity..... Not available

Mutagenicity..... Not available

Section 12 - Ecological Information

Fish Toxicity..... Not available

Biodegradability..... Not available

Environmental Effects..... Not available

Section 13 - Disposal Consideration

Waste Disposal..... Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

Section 14 - Transportation Information

TDG Classification

Class..... Not regulated



Group..... Not regulated
 PIN Number..... Not regulated
 Other..... Secure containers (full and/or empty) with suitable hold down devices during shipment.

Section 15 - Regulatory Information

WHMIS Classification..... Not a controlled product

NOTE: THE PRODUCT LISTED ON THIS MSDS HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS. THIS MSDS CONTAINS ALL INFORMATION REQUIRED BY THOSE REGULATIONS.

Section 16 - Other Information

Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.

Attention: Receiver of the chemical goods / MSDS coordinator

As part of our commitment to the Canadian Association of Chemical Distributors (CACD) Responsible Distribution® initiative, ClearTech Industries Inc. and its associated companies require, as a condition of sale, that you forward the attached Material Safety Data Sheet(s) to all affected employees, customers, and end-users. ClearTech will send any available supplementary handling, health, and safety information to you at your request.

If you have any questions or concerns please call our customer service or technical service department.

ClearTech Industries Inc. - Locations

Corporate Head Office: 2302 Hanselman Avenue, Saskatoon, SK, S7L 5Z3

Phone: 306-664-2522

Fax: 306-665-6216

www.ClearTech.ca

Location	Address	Postal Code	Phone Number	Fax Number
Richmond, B.C.	12431 Horseshoe Way	V7A 4X6	604-272-4000	604-272-4596
Calgary, AB.	5516E - 40 th St. S.E.	T2C 2A1	403-279-1096	403-236-0989
Edmonton, AB.	11750 - 180 th Street	T5S 1N7	780-452-6000	780-452-4600
Saskatoon, SK.	2302 Hanselman Avenue	S7L 5Z3	306-933-0177	306-933-3282
Regina, SK.	555 Henderson Drive	S4Z 5X2	306-721-7737	306-721-8611
Winnipeg, MB.	340 Saulteaux Crescent	R3J 3T2	204-987-9777	204-987-9770
Mississauga, ON.	7480 Bath Road	L4T 1L2	905-612-0566	905-612-0575



24 Hour Emergency Number - All Locations - 306-664-2522