

MATERIAL SAFETY DATA SHEET

Section 1. COMPANY IDENTIFICATION AND CHEMICAL PRODUCT

COMPANY IDENTIFICATION:

Filter Innovations
744 Gordon Baker Road
Toronto, ON, M2H 3B4

Revision Date: January 22, 2008

Chemical Product:

Product Name: Anthracite Coal

Formula: N/A

Synonym (s) Coal, Anthracite

Chemical Family: N/A

Section 2. COMPOSITION INFORMATION ON INGREDIENTS

Permissible Air Level

<u>Ingredient</u>	<u>CAS No.</u>	<u>Wt. %</u>	<u>OGHA PHL</u>	<u>AGGIH TLV</u>
Anthracite Coal	N/A	100%	2.4	2.0

Coal consists mainly of a complex mixture of organic compounds. Small amounts of sulfur, crystalline silica, silicates, and other inorganic compounds may also be present.

Section 3. HAZARDS IDENTIFICATION

Health Effects/Signs and Symptoms: Excessive, long term inhalation exposure to coal dust may lead to a condition called worker's 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 exposure to coal and associated hard rock are common.

Usual Route (s) of Entry: Inhalation, if handled in such a manner that dusts are generated.

Medical Conditions Possibly Aggravated: Chronic diseases or disorders of the respiratory system.

Carcinogen Information: Not considered to be a carcinogen.

SEE LAST PAGE FOR ADDITIONAL TERMS AND CONDITIONS INCLUDING DISCLAIMER OF WARRANTIES.

Section 4. FIRST AID MEASURES

Eye Contact: If dust causes mechanical irritation, wash eye (s) thoroughly with large amounts of water. If symptoms persist, seek medical attention.

SKIN CONTACT: Not anticipated to pose an acute or significant skin contact hazard.

INHALATION: Not anticipated to pose an acute or significant inhalation hazard.

INGESTION: Not considered to be an ingestion problem.

Section 5. FIRE FIGHTING MEASURES

Flash Point: (Method): N/A

Autoignition Temperature: N/A

Fire Hazard: Moderate in the form of dust when exposed to heat or flame.

Explosion Hazard: Slight in the form of dust when exposed to heat or flame.

Extinguishing Media: Steam, water fog, dry chemical or carbon dioxide.

Special Fire Fighting Procedures: Wear goggles or face shield and self-contained breathing apparatus. Water may be used to cool fire exposed containers.

Unusual Fire and Explosion Hazard: None.

Section 6. ACCIDENTAL RELEASE

Procedures to follow if Material is Released or Spilled: No unusual hazards. Material should be placed into appropriate containers. Avoid generating dust.

Waste Disposal Method (s): Landfill disposal or other methods which are in accordance with local, state and federal regulations. Wastes may be recovered for further use.

Section 7. HANDLING AND STORAGE

Work Practices (Handling and Storage, etc.): Use in such a manner as to avoid creating large amounts of dust. Keep away from sources of heat and flame. Avoid high storage temperatures.

Section 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls (Ventilation, etc.): Ventilation should be sufficient to maintain dust levels below the applicable exposure limit for coal dust.

EYE PROTECTION: Safety glasses or goggles are recommended when dust levels are excessive.

SKIN PROTECTION: Gloves and long-sleeve clothing are recommended when dust levels are excessive.

RESPIRATORY PROTECTION: When engineering controls are not sufficient to lower dust levels below the applicable exposure limit, use a NIOSH approved respirator for dusts within the use limits of the respirator.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid	PH: N/A
Appearance: Dark lumps	Specific Gravity: 1.6 – 1.8
Odor: Odorless	Vapor Pressure: N/A
Boiling Point: N/A	Vapor Density: N/A
Melting Point: N/A	Evaporation Rate: N/A
Solubility in Water: Negligible	% Volatile by Volume: N/A

Section 10. STABILITY AND REACTIVITY

Stability: Stable

Incompatibilities (Materials to avoid) : Strong oxidizers.

Hazardous Thermal Decomposition Products: Carbon Monoxide, Carbon Dioxide, Sulfur Oxides, Hydrogen Sulfide.

Polymerization: Will not occur.

Section 11. TOXICOLOGICAL INFORMATION

It is recommended that the air be analyzed for crystalline silica where inhalation exposures to this product may occur. Should the collected dust contain greater 5% crystalline silica, it may be appropriate to use the applicable exposure limit for silica.

Section 12. ECOLOGICAL INFORMATION

Release to the Environment: No unusual hazards to fish, plants or birds.

Section 13. DISPOSAL CONSIDERATIONS

Proper Disposal: No extraordinary measures are required. Refer to Section 6.

Section 14. TRANSPORT INFORMATION

Transportation Methods: Transport per any DOT regulations.

Section 15. REGULATORY INFORMATION

Regulatory Procedures: Follow any Environmental Protection Agency (EPA) regulations, or relevant regulations from other countries that may apply.

Section 16. OTHER INFORMATION

Abbreviations:

N/A	Not Applicable
N/E	Not Established
UNK	Unknown (No applicable information was found)
GT	Greater Than
LT	Less Than

Footnotes:

- 1) Concentrations may vary somewhat between batches or lots. Where possible, a concentration range is indicated. Occasionally, however, levels may even fall outside of the usual concentration ranges.
- 2) Common names, if applicable, appear in parentheses following the chemical names.
- 3) All values, unless otherwise specified, refer to 8-hour time-weighted average concentrations and units are in mg/M.
- 4) These values apply to a respirable coal dust fraction containing less than 5% crystalline silica. If the crystalline silica level exceeds 5%, consult Table Z-3 (Mineral Dusts) under 29 CFR 1910-1000 or the most recent edition of the AGGIM TLV Booklet for obtaining the appropriate crystalline silica TLV computing formula.

This document has been prepared in a format developed by the American National Standards Institution (ANSI), solely for the intent of compliance with the provisions of Subpart 2 of Part 1910 of Title 20 of the Code of Federal Regulations, paragraph 1910.1200.

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