



Safety Data Sheet

Section 01 Identification

Product Identifier Anthracite, Coal
Anthracite, Coal, 0.60-0.80 mm UC 1.70
Anthracite, Coal #1
Anthracite, Coal #1.5
Anthracite, Coal #2
Anthracite, Coal #3
Anthracite, Coal #4
Anthracite, Coal #5
Anthracite, Coal #6
Anthracite, Coal, ES 0.85-0.95 mm, UC 1.5
Anthracite, Coal, ES 1.0-1.2 mm, UC 1.7
Anthracite, Coal, ES 1.0-1.2 mm, UC 1.7

Other Means of Identification Coal

Product Use and Restrictions on Use Filter media

Initial Supplier Identifier ClearTech Industries Inc.
1500 Quebec Avenue
Saskatoon, SK. Canada
S7K 1V7

Phone: 800.387.7503
Fax: 888.281.8109
www.cleartech.ca

Prepared By ClearTech Industries Inc. technical writer

24-Hour Emergency Phone 306.664.2522

Section 02 Hazard Identification

GHS-Classification

This product has been assessed in accordance with the Hazardous Products Regulations and is not classified as a hazardous substance or mixture.

Hazards Not Otherwise Classified

Not available

Supplemental Information

Not available

Section 03 Composition / Information on Ingredients

Ingredients:

Chemical name	Common name(s)	CAS number	Concentration (w/w%)
(Anthracen-1-yl)methanolate	Coal, anthrocite	8029-10-5	>99%

Customer Service: 800.387.7503
Revision Date: November 14, 2024

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Section 04 First-Aid Measures

Description of necessary first-aid measures

- Inhalation** Get medical advice / attention if you feel unwell or are concerned.
- Ingestion** Get medical advice / attention if you feel unwell or are concerned.
- Skin contact** Rinse skin with lukewarm, gently flowing water / shower for 5 minutes or until product is removed. If skin irritation occurs or if you feel unwell: Get medical advice / attention.
- Eye contact** Gently brush product off face. Do not rub eyes. Let the eyes water naturally for a few minutes. Look right and left, then up and down. If particle / dust does not come out, cautiously rinse eye with lukewarm gently flowing water for 5 minutes or until particle / dust is removed, while holding the eyelids open. If eye irritation persists: Get medical advice / attention. Do not attempt to manually remove anything from the eyes.

Most important symptoms and effects, both acute and delayed

- Inhalation** May cause respiratory irritation.
- Ingestion** May cause discomfort or nausea.
- Skin contact** Not available
- Eye contact** May cause eye irritation and redness.
- Further information** For further information see Section 11 Toxicological Information.

Section 05 Fire Fighting Measures

- Suitable extinguishing media** Extinguish fire using extinguishing agents suitable for the surrounding fire.
- Unsuitable extinguishing media** Water jets are not recommended in fires involving chemicals.
- Specific hazards arising from the chemical** In the event of a fire oxides of carbon may be released. Dust from this product may ignite. After a fire this product can smolder for a long time.
- Special protective equipment for fire-fighters** Wear NIOSH-approved self-contained breathing apparatus and protective clothing.

Section 06 Accidental Release Measures

- Personal Precautions / Protective Equipment / Emergency Procedures** Wear appropriate personal protective equipment (See Section 08 Exposure Controls and Personal Protection). Stay upwind, ventilate area.
- Environmental Precautions** Prevent material from entering waterways, sewers or confined spaces. Notify local health and wildlife officials. Notify operators of nearby water intakes.
- Methods and Materials for Containment and Cleaning Up** Dry sweeping is not recommended. Pre-dampening the material or use of a vacuum is preferred. Shovel into clean, dry, labeled containers and cover. Flush area with water.

Section 07 Handling and Storage

- Precautions for Safe Handling** 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.
Inspect containers for damage or leaks before handling. If the original label is damaged or missing replace with a workplace label. Have suitable emergency equipment for fires, spills and leaks readily available.
- Conditions for Safe Storage** Store in a cool, dry, well-ventilated area, away from heat sources and incompatible materials. Always store in original labeled container. Keep containers tightly closed when not in use and when empty. Protect label and keep it visible.

Incompatibilities Oxidizing agents, such as oxygen, hydrogen peroxide, sulphuric and nitric acids, hypochlorites and permanganates.
Solvents

Section 08 Exposure Controls and Personal Protection

Exposure limits

Component	Regulation	Type of listing	Value
Coal dust - Anthracite, Respirable	ACGIH	TWA	0.4 mg/m ³

Engineering controls

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

Other No specific recommendations beyond the required hygiene facilities at the place of work.

Protective equipment

The following are recommendations only. It is the responsibility of the employer / user to conduct a hazard assessment of the process in which this product being used and determine the proper engineering controls and PPE for their process. Additional regulatory and safety information should be sought from local authorities and, if needed, a professional industrial hygienist.

Eye and face protection Where there is potential eye or face exposure, safety glasses are recommended. Contact lenses are not recommended; they may contribute to severe eye injury.

Hand and body protection Where handling this product it is recommended that skin contact is avoided.

Respiratory protection In case of insufficient ventilation wear suitable respiratory equipment.

Thermal hazards Not available

Section 09 Physical and Chemical Properties

Appearance

Physical state	Solid granules
Colour	Black
Odour	Odourless
Odour threshold	Not applicable

Property

pH	Not available
Melting point / freezing point	Sublimes >4000 °C
Initial boiling point and boiling range	Sublimes >4000 °C
Flash point	Not applicable
Evaporation rate	Not available
Flammability	Flammable
Upper flammable limit	Not applicable
Lower flammable limit	Not applicable
Vapour pressure	<1 mm of Hg
Vapour density	Not available

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Relative density	200-700 kg/m ³
Solubility	Not soluble in water
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	452-518 °C
Decomposition temperature	Not available
Viscosity	Not applicable
Specific gravity	Not applicable
Particle characteristics	Particle size: Not available Particle shape: Not available

Section 10 Stability and Reactivity

Reactivity	If product is crushed into a fine powder it can form combustible dust air mixtures.
Stability	This product is stable if stored according to the recommendations in Section 07.
Possibility of hazardous reactions	Hazardous polymerization is not known to occur.
Conditions to avoid	Avoid contact with incompatible materials. Do not heat.
Incompatible materials	Oxidizing agents, such as oxygen, hydrogen peroxide, sulphuric and nitric acids, hypochlorites and permanganates. Solvents
Hazardous decomposition products	Thermal decomposition may produce oxides of carbon.

Section 11 Toxicological Information

Acute Toxicity (LD50 / LC50 values)

Component	Route	Species	Value	Exposure time
Carbon	Oral	Rat	>10,000 mg/kg	
	Inhalation	Rat	>64.4 mg/l	

Toxic Health Effect Summary

Chemical characteristics	No known effects
Skin	Not available
Ingestion	May cause discomfort or nausea.
Inhalation	May cause respiratory irritation.
Eye contact	May cause eye irritation and redness.
Sensitization	This product and its components at their listed concentration have no known sensitizing effects.
Mutagenicity	This product and its components at their listed concentration have no known mutagenic effects.
Carcinogenicity	This product and its components at their listed concentration have no known carcinogenic effects.
Reproductive toxicity	This product and its components at their listed concentration have no known reproductive effects.
Specific organ toxicity	If this product is crushed into a fine powder and inhaled it can cause long term lung damage.
Aspiration hazard	Aspiration may cause pulmonary edema.

Synergistic materials Not available

Section 12 Ecological Information

Ecotoxicity

there is no available toxicity data for this product.

Biodegradability not predicted to biodegrade
Bioaccumulation not predicted to bioaccumulate
Mobility Not water soluble.
Other adverse effects May absorb dissolved oxygen from water.

Section 13 Disposal Considerations

Waste From Residues / Unused Products Dispose in accordance with all federal, provincial, and local regulations including the Canadian Environmental Protection Act.
Contaminated Packaging Do not remove label, follow label warnings even after the container is empty. Empty containers should be recycled or disposed of at an approved waste handling facility.

Section 14 Transport Information

UN number This product does not meet the definition of dangerous goods per Part 2 of Transport of Dangerous Goods Regulations
UN proper shipping name and description Not available
Transport hazard class(es) Not available
Packing group Not available
Excepted quantities Not available
Environmental hazards Not listed as a marine pollutant under Canadian TDG Regulations, schedule III.
Special precautions No special precautions
Transport in bulk ERAP index: not available

MARPOL 73/78 and IBC Code:
This product is not listed in Chapter 17 of the IBC Code.
Additional information Secure containers (full or empty) during shipment and ensure all caps, valves, or closures are secured in the closed position.

TDG PRODUCT CLASSIFICATION: This product has been classified on the preparation date specified at section 16 of this SDS, for transportation in accordance with the requirements of part 2 of the Transportation of Dangerous Goods Regulations. If applicable, testing and published test data regarding the classification of this product are listed in the references at section 16 of this SDS.

Section 15 Regulatory Information.

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

All components of this product appear on the domestic substance list or are not required to be listed.

Section 16 Other Information

Date of latest revision: November 14, 2024

Note: The responsibility to provide a safe workplace remains with the buyer / user. The buyer / 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 buyer / user to comply with all applicable laws and regulations regarding handling, using, reselling and shipping this product.

Attention: Receiver of the chemical goods / SDS coordinator

As part of our commitment to the RDC Responsible Distribution® initiative, ClearTech Industries Inc. and its associated companies require, as a condition of sale, that you forward the attached 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 center.

References:

- 1) *NIOSH Pocket Guide to Chemical Hazards*; U.S. Department of Health and Human Services, <https://www.cdc.gov/niosh/npg/default.html>
- 2) *WorkSafe BC E-Limit*; Workers' Compensation Foard of British Columbia, <https://elimit.online.worksafebc.com/>
- 3) *ECHA - Registered Substance Dossier*; European Chemicals Agency, <https://echa.europa.eu/information-on-chemicals/registered-substances>
- 4) *Transportation of Dangerous Goods Regulations*; Transport Canada, <https://laws-lois.justice.gc.ca/eng/regulations/SOR-2001-286/index.html>
- 5) Globally Harmonized System of Classification and Labeling of Chemicals (GHS) *Seventh revised edition*
- 6) International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code) 2007 Edition
- 7) The ACS Style Guide