

Carbon (YMC1240RCOAL) Material Safety Data Sheet

JAN. 2005

Product Identification:

Applied Membranes, Inc. Name:	YMC1240RCOAL
Trade Name:	ACTIVATED CARBON
Chemical Name:	COL-FL 60
Chemical Formula:	C
Type	Coal Base Activated Carbon 12×40 Mesh
Emergency Phone:	1-800-424-9300 U.S.A. 1-613-996-6666 CANADA

Composition/ Information on Ingredients

<u>CAS no.</u>	<u>Conc%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
7440-44-0 (Carbon)			

- Caution should be taken for a respirable dust. The ACGIH TWA for respirable dust is 1.0 mg/m³
- Carcinogenic properties: NONE

Physical Data:

Appearance and Odor:	Odorless black solid granules
Vapor Pressure	N/A
Melting Point:	6656 °F (3680 °C)
Boiling Point	7592 °F (4200 °C)
Apparent Density:	0.3 to 0.6 gm/cc
Solubility:	Stable

- Emphasize protection against repetitive or long term exposure to carbon dust inhalation.

Spill or Leak Procedures:

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If the material is released or spilled: Unused product should be swept up and discarded or repackaged.

Waste Disposal Method

Unused carbon may be disposed of by any appropriate means. Used products may contain hazardous chemicals or exhibit hazardous properties that may have to be examined to determine the appropriate disposal method. This product must be disposed of in accordance with all federal, state, and local regulations.

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Special Precautions

Precautions To Be Taken In Handling And Storing:

Eye Protection: Safety glasses or goggles recommended.

Protective Gloves: Recommended

Other Protective Clothing: None Required

Respiratory Protection: A high efficiency particulate filter is recommended whenever excessive dust may be generated.

Ventilation: Local exhaust is recommended sufficient to control dust.

Work/ Hygiene: Wash thoroughly after handling.

Other Cautions: Wet activated carbon removes oxygen from the air, causing a severe hazard to workers in required space. Sampling and work procedures for low oxygen levels should be taken whenever workers may be entering carbon vessels enclosed or confined space. All federal state and local regulations should be observed.

Fire and Explosion

Flash Point:	N/A
Extinguishing Media:	Water, Foam, CO ₂ , or Dry Chemical
Special Firefighting Procedures:	None
Unusual Fire & Explosion Hazards:	Contact with strong oxidizers may result in fire.

Reactivity

Stability:	Stable
Conditions to Avoid:	None
Incompatibility:	Avoid contact with strong oxidizers
Hazardous Decomposition Product:	Carbon Monoxide may be formed in the event of a fire.

Health Data

Ingestion:	This product is non-toxic through ingestion.
Active Oral LD₅₀ (Rat):	>10 gm/kg
Inhalation:	The physical nature of this product may irritate the respiratory system. The acute LC ₅ (Rat) is > 64.4 mg/L (nominal concentration)
Dermal Exposure:	This material is non-toxic through skin absorption. Activated carbon is not a primary skin irritant. No sensitization effects are known.
Eyes:	The physical nature of this product may

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produce eye irritation.

First Aid Measures

Eye Contact:

Flush with water for at least 15 minutes.

Other:

The effects of chronic and sub-chronic exposure have not been determined. Safe handling on a long term basis should emphasize protection against repetitive or long term exposure to carbon dust inhalation.
