

MATERIAL SAFETY DATA SHEET

Section I - Identity

Identity (As Used on Label and List): GC IPH Activated Carbon, (Granular or Pelletized)

Manufacturers Name: **Filter Innovations Inc.**
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North York, ON M2H 3B4
Tel: 416.490.7848

Section II - Hazardous Ingredients/Identity Information

Hazardous Components - (Specific Chemical Identity: Common Names)

	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER LIMITS RECOMMENDED</u>	<u>%</u>
Carbon: Activated Carbon	N/A	N/A	N/A	80
Potassium Hydroxide, (caustic potash), 45%				20

50 MG/24 hours skin-human severe irritation, 50 MG/24 hours skin-rabbit severe irritation, 50 MG/24 hours skin-guinea pig sever irritation, 1 MG/24 hours rinsed eye rabbit moderate irritation, 273 MG/KG oral-rat LD50, mutagenic data (RTECS).

Carcinogenic status: None

This product is non-hazardous according to the definition for "health hazard" and "physical hazard" provided in the OSHA Hazard Communication Law (29 CFR Part 1910).

Section III - Physical/Chemical Characteristics

Boiling Point: N/A

Vapor Pressure (mm Hg): N/A

Vapor Density (AIR = 1): N/A

Specific Gravity (H₂O = 1): 2.3 g/cc real density

Melting Point: N/A

Evaporation Rate (Butyl Acetate =1): N/A

Solubility in Water: Insoluble

Appearance and Odor: Black, Odorless, Solid

Section IV - Fire and Explosion Hazard Data

Flash point (Method Used): N/A

Flammable Limits in Air % by Volume: N/A

Ignition point: 260°F

LEL: N/A

UEL: N/A

Extinguishing Media: Flood with copious amounts of water

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: Contact with strong oxidizers such as ozone, liquid oxygen, chlorine, permanganate, etc. may result in fire

Section V - Reactivity Data

Stability: stable

Conditions to Avoid: None

Incompatibility (Materials to Avoid): strong oxidizers such as, liquid oxygen, chlorine, permanganate, etc.

Hazardous Decomposition or Byproducts: carbon monoxide may be generated in the event of fire.

Hazardous Polymerization: will not occur

Section VI - Health Hazard Data

Primary Routes of Entry: Inhalation: Yes
 Skin: Yes
 Ingestion: Yes

Health Hazard (Acute and Chronic): Acute inhalation is LC50 (RAT) is 64.4 mg/l (nominal concentration) for activated Carbon. The product is not a primary skin-irritant. The primary skin irritation index Rabbit is 0. The product is non-toxic through ingestion. The acute oral LD50 RAT is 10 g/kg.

NTP: N/A

IARC Monographs: N/A

OSHA Regulated: N/A

Signs and Symptoms of Exposure: N/A

Medical Conditions Aggravated by Exposure: Contact Lens Users Without Proper Eye Protection.

Emergency and First Aid Procedures: Eyes: Flush With Water For At Least 15 minutes

 Skin: Wash With Soap And Water

Section VII - Precautions For Safe Handling and Use

Steps To Be Taken In Case Material Is Released Or Spilled: Sweep up unused carbon and discard in refuse container or repackage. Use mask to avoid breathing dust.

Waste Disposal Method: Dispose of unused carbon in refuse container. Dispose of in accordance with local, state and federal regulations.

Precautions To Be Taken In Handling and Storing: Wet activated carbon removes oxygen fro air causing a severe hazard to workers inside carbon vessels and enclosed or confined spaces. Do not get in eyes, or on skin or clothing. Do not breathe dust.

Other Precautions: Before entering such an area, sampling and work procedures for low oxygen levels should be taken to ensure ample oxygen availability, observing all local, state and federal regulations

Section VIII - Control Measures

Respiratory Protections (specify type): NIOSH approved particulate filter respirator is recommended if excessive dust is generated.

Ventilation: Local Exhaust: recommended
 Mechanical (General): recommended
 Special: N/A
 Other: N/A

Protective Gloves: Rubber gloves recommended

Eye Protection: Safety goggles/glasses recommended

Other Protective Clothing or Equipment: None

Work/Hygienic Practices: Wash thoroughly after handling

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