

## MATERIAL SAFETY DATA SHEET

### Section I - Identity

Identity (As Used on Label and List): HS 600 media

Manufacturers Name: **Filter Innovations Inc.**  
**744 Gordon Baker Road**  
**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>
Potassium Permanganate	5mg/cu.m	5mg/ cu.m	N/A	6-8%
Molecular sieve/moisture	N/A	N/A	N/A	92-94%

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 (H<sub>2</sub>O = 1): Density 58-62 #/ cubic feet  
Melting Point: N/A  
Evaporation Rate (Butyl Acetate =1): N/A  
Solubility in Water: KMNO<sub>4</sub>: yes, Molecular sieve: no  
Appearance and Odor: Odorless, Purple, Solid

### Section IV - Fire and Explosion Hazard Data

Flash point (Method Used): N/A  
Flammable Limits in Air % by Volume: N/A  
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: Protect containers against puncture and physical damage. Keep dry.  
Incompatibility (Materials to Avoid): strong oxidizers such as, liquid oxygen, chlorine, permanganate, etc.  
Hazardous Decomposition or Byproducts: Chlorine will be produced in contact with hydrochloric acid  
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 media and discard in refuse container or repackage. Use mask to avoid breathing dust.

Waste Disposal Method: Dispose of unused media 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

**\*\*\*The information contained herein is accurate to the best of our knowledge. Filter Innovations Inc. makes no warranty with respect hereto said information and disclaims all liability from reliance there in \*\*\***