

PureAir Filtration

6050 Peachtree Pkwy
Suite 240-187
Atlanta, GA 30092
678-935-1431

Material Safety Data Sheet

Product Name: PureAir 4, PureAir 8, PureAir 12

Revision Date: February 15, 2003

Section I - General Information

Manufacturer/Supplier: Pure Air Filtration, LLC

Chemical Name and Synonyms: Potassium Permanganate

Formula: KMnO₄ impregnant (4%-12%) on aluminum oxide (66-70%)

Proprietary ingredient: less than 10%

Chemical Family: Inorganic Oxidizer

CAS Number: 7722-64-7

DOT Proper Shipping Name: NMFC 13090 ALUMINA

Section II - Hazard Specifications

Known Hazards Under 20 CFR 1910 1200

	Yes	No		Yes	No
Combustible Liquid		X	Skin Hazard		X
Flammable Material		X	Eye Hazard	X	
Pyrophoric Material		X	Toxic Agent		X
Explosive Material		X	Highly Toxic Agent		X
Unstable Material		X	Sensitizer		X
Water Reactive Material		X	Carcinogen		X
Oxidizer		X	Reproductive Toxin		X
Organic Peroxide		X	Blood Toxin		X
Corrosive Material		X	Nervous System Toxin		X
Compressed Gas		X	Lung Toxin		X
Irritant	X		Liver Toxin		X
			Kidney Toxin		X

TLV: N/A

DOT hazard Class: N/A

EPA Hazard Waste Class: N/A

PEL: N/A

NEPA Hazard Signal: N/A

Section III - Safe Usage Data

Protective Equipment Types

Eyes: Goggles or safety glasses recommended

Respiratory: NIOSH approved dust mask recommended

Gloves: Rubber gloves recommended

Other: Standard work clothing covering arms and legs

Ventilation

General Mechanical: Yes

Local Exhaust: If dusting is excessive

Precautions

Handling and Storage: Store in cool dry area in enclosed containers

Other: Do not eat; avoid contact with eyes and skin

Section IV - Emergency Response Data

Fire

Extinguishing Media: PureAir 4, 8 and 12 are not flammable.

Special Procedures: None

Unusual Hazards: None

Exposure

First Aid Materials: Dust inhalation: Move to fresh air.
Skin contact: wash areas.
Ingestion: seek medical attention.
Eye contact: flush with large quantities of water, seek medical attention.

Spills

Steps To Be Taken: Clean floor with broom or shovel.

Waste Disposal: New material may be disposed of in landfill; spent material that has removed toxic chemicals should be examined for specific hazards.

Section V. Physical Hazard Data

Flammability: N/A

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions to Avoid: None

Incompatibility: Protect from water and exposure to contaminated air, otherwise media may be rendered useless.

Hazardous Decomp PDTS: Dilute KMnO_4 solution when wetted.

Section VI - Health Hazard Data

Effects of Exposure

PureAir 4, 8 and 12 media are non-toxic upon oral, skin, and inhalation exposure and are a non-irritant of the skin. Breathing of dust may cause sneezing. Skin may feel dry after contact. PureAir 4, 8 and 12 media are an eye irritant.

Emergency Treatment

Flush eye with large quantities of water and seek medical attention.

Section VII - Physical and Chemical Properties

Boiling Point: N/A

Vapor Press: N/A

Solubility In Water: Partially soluble

Odor: No significant odor

Appearance: Spherical purple pellets

Vapor Density: N/A

pH: N/A

Will Dissolve in: Concentrated acids and alkalis

Volatile Components: N/A

Evaporation Dates: N/A