PREFERRED REMOVAL MEDIA BY CONTAMINANT

With over 100 granular activated carbon products and other media, the Barnebey Sutcliffe Division of Calgon Carbon Corporation will provide a solution to any air filtration contaminant. This guide is intended to allow the user to quickly determine the preferred media choice for a wide variety of chemicals. Preferred is defined as providing the greatest amount of capacity and least expensive method of disposal.

Please note that the exact product to be selected for any application or chemical will depend upon the concentration of the chemicals, temperature, flow rate, humidity, and treatment objective. In this respect, the Barnebey Sutcliffe Division of Calgon Carbon Corporation is uniquely qualified to provide theoretical modeling, laboratory testing, or pilot unit testing to select and demonstrate the best product to use in your indoor air purification application.

Key
1) Granular Activated Carbon (spent material is recyclable)
2) Specialty Impregnated Granular Activated Carbon (spent material is incinerable)
3) Potassium Permanganate (spent material must be sent to landfill)

Substance	Index
Acetaldehyde	1
Acetic acid	1
Acetic anhydride	1
Acetone	1
Acetylene	3
Acid gas	2
Acrolein	1
Acrylic acid	1
Acrylonitrile	1
Adhesives	1
Amines	1
Ammonia	2
Amyl acetate	1
Amyl alcohol	1
Amyl ether	1
Animal odors	1
Anesthetics	1
Aniline	1
Arsine	1
Asphalt	1
Benzene	1
Bleaching solutions	1
Bromine	1
Butadiene	1
Butane	1
Butene	1
Butyl acetate	1
Butyl alcohol	1
Butyl cellosolve	1
Butyl chloride	1
Butyl ether	1
Butyne	1
Butyraldehyde	1
Butyric acid	1

Substance	Index
Caprylic acid	1
Carbolic acid	1
Carbon disulfide	1
Carbon monoxide	3
Carbon tetrachloride	1
Chlorine	1
Chlorobenzene	1
Chlorobutadiene	1
Chloroform	1
Chloronitropropane	1
Chloronitropropene	1
Chloropicrin	1
Cigarette smoke odor	1
Citrus and other fruit scents	1
Cleaning compounds	1
Cooking odors	1
Corrosive gases	2
Creosote	1
Cresol	1
Crotonaldehyde	1
Cyclohexane	1
Cyclohexenol	1
Cyclohexanone	1
Cyclohexene	1
Decane	1
Deodorants	1
Detergents	1
Dibromoethane	1
Dichlorbenzenes	1
Dichlorobenzene	1
Dichlorodifluoromethane	1
Dichloroethane	1
Dichloroethylene	1
Dichloromonoflurmethane	1

Substance	Index
Dichloronitroethane	1
Dichloropropane	1
Dichlorotetrafluorethane	1
Diesel fumes	1
Diethyl ketone	1
Diethylamine	1
Dimethylanaline	1
Dimethylsulfide	1
Dioxane	1
Dipropyl ketone	1
Epoxy	1
Essential oils	1
Ethene	3
Ether	1
Ethyl acetate	1
Ethyl acrylate	1
Ethyl alcohol	1
Ethyl amine	1
Ethyl benzene	1
Ethyl bromide	1
Ethyl chloride	1
Ethyl ether	1
Ethyl formate	1
Ethyl mercaptan	1
Ethyl silicate	1
Ethylene	3
Ethylene chlorohydrin	1
Ethylene oxide	1
Eucalyptole	1
Fertilizer	2
Floral scents	1
Fluorotrichloromethane	1
Food aromas	1
Formaldehyde	2

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Substance	Index	Substance	Index	Substance	Index
Gasoline	1	Methyl cellosolve acetate	1	Plastics	1
Glue odors	1	Methyl chloride	1	Propane	3
		Methyl chloroform	1	Propionaldehyde	1
Heptane	1	Methyl ether	1	Propionic acid	1
Heptylene	1	Methyl ether ketone	1	Propyl acetate	1
Hexane	1	Methyl formate	1	Propyl alcohol	1
Hexylene	1	Methyl iodine	2	Propyl chloride	1
Hexyne	1	Methyl isobutyl ketone	1	Propyl ether	1
Hospital odors	1	Methylcyclohexane	1	Propyl mercaptan	1
Household smells	1	Methylcyclohexanol	1	Propylene	3
Hydrogen	3	Methylcyclohexanone	1	Propyne	3
Hydrogen bromide	2	Methylene chloride	1	Putrescine	1
Hydrogen chloride	2	Monochlorobenzene	1	Pyridine	1
Hydrogen cyanide	2				
Hydrogen fluoride	2	Naptha	1	Radiation products	2
Hydrogen iodide	2	Naphthalene	1	Radioactive iodide	2
Hydrogen selenide	2	Nicotine	1	Resins	1
		Nitric acid	2	Ripening fruits	1
Ink odors	1	Nitrobenzenes	1	Rubber	1
Iodine	1	Nitroethane	1		
Isocyanates	1	Nitrogen oxides	1	Sewer odors	2
Isophorone	1	Nitroglycerine	1	Styrene monomer	1
Isoprene	1	Nitromethane	1	Sulfur dioxide	1
Isopropyl acetate	1	Nitropropane	1	Sulfur trioxide	1
Isopropyl alcohol	1	Nitrotoluene	1	Sulfuric acid	2
Isopropyl ether	1	Nonane	1		
				Tetrachloroethane	1
Kerosene	1	Octane	1	Tetrachloroethylene	1
Kitchen odors	1	Ozone	1	Toluene	1
				Toluidine	1
Liquid fuels	1	Paint odors	1	Trichloroethylene	1
Lubricating oils	1	Palmitic acid	1	Trichloroethane	1
		Pentane	1	Turpentine	1
Medicinal odors	1	Pentanone	1		
Menthol	1	Pentenes	1	Urea	1
Mercaptans	1	Pentynes	1		
Mercury	2	Perchloroethylene	1	Valeric acid	1
Mesityl oxide	1	Perfumes	1	Valericaldehyde	1
Methane	3	Pet odors	1	Varnish fumes	1
Methyl acetate	1	Phenol	1	Vinegar	1
Methyl acrylate	1	Phosgene	1	Vinyl chloride	1
Methyl alcohol	3	Phosphine	1		
Methyl bromide	1	Pitch	1	War gases	2
Methyl butyl ketone	1			Xylene	1

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