

Mazraeh Designer Engineering Group

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ADSORPTION INDEX

SUBSTANCE					
		Cellosolve acetate	4	Ethyl chloride	3
Acetaldehyde	2	Charred materials	4	Ethyl ether	3
Acetic acid	4	Cheese	4	Ethyl formate	3
Acetic anhydride	4	Chlorine	3	Ethyl mercaptan	3
Acetone	3	Chlorobenzene	4	Ethyl silicate	4
*Acetylene	1	Chlorobutadiene	4	*Ethylene	1
*Acrolein	3	Chloroform	4	Ethylene chlorhydrin	4
Acrylic acid	4	Chloronitropropane	4	Ethylene dichloride	4
Acrylonitrile	4	Chloropicrin	4	Ethylene oxide	3
Adhesives	4	Cigarette smoke odor	4	Essential oils	4
Air-Wick	4	Citrus and other fruits	4	Eucalyptole	4
Alcoholic beverages	4	Cleaning compounds	4	Exhaust fumes	3
Amines	2	Combustion odors	3	Fertilizer	4
*Ammonia	2	Corrosive Gasses	3	Film processing odors	3
Amyl acetate	4	Cooking odors	4	Fish odors	4
Amyl alcohol	4	Creosote	4	Floral scents	4
Amyl ether	4	Cresol	4	Fluorotrichloromethane	3
Animal odors	3	Crtonaldehyde	4	Food aromas	4
Anesthetics	3	Cyclohexane	4	*Formaldehyde	2
Aniline	4	Cyclohexanol	4	Formic acid	3
Antiseptics	4	Cyclohexanone	4	Fuel gases	2
Asphalt fumes	4	Cyclohexene	4	Fumes	3
Automobile exhaust	3	Dead animals	4	Gangrene	4
Bathroom smells	4	Decane	4	Garlic	4
Benzene	4	Decaying substances	4	Gasoline	4
*Bleaching solutions	3	Deodorants	4	Heptane	4
Body odors	4	Detergents	4	Heptylene	4
Borane	3	Dibromomethane	4	Hexane	3
Bromine	4	Dichlorobenzene	4	*Hexylene	3
Burned flesh	4	Dichlorodifluoromethane	4	*Hexyne	3
Burned food	4	Dichloroethane	4	Hospital odors	4
Burning fat	4	Dichloroethylene	4	Household smells	4
Butadiene	3	Dichloroethyl ether	4	Hydrogen	1
Butane	2	Dichloromonofluoromethane	3	*Hydrogen bromide	2
Butanone	4	Dichloronitroethane	4	*Hydrogen chloride	2
Butyl acetate	4	Dichloropropane	4	*Hydrogen cyanide	2
Butyl alcohol	4	Dichlorotetrafluoroethane	4	*Hydrogen fluoride	2
Butyl cellosolve	4	Diesel fumes fumeador	4	*Hydrogen iodide	3
Butyl chloride	4	*Diethylamine	3	*Hydrogen selenide	2
Butyl ether	4	Diethyl ketone	4	*Hydrogen sulfide	3
*Butylene	2	Dimethylaniline	4	Incense	4
*Butyne	2	Dimethylsulfate	4	Indole	4
*Butyraldehyde	3	Dioxane	4	Industrial wastes	3
Butyric acid	4	Dipropyl ketone	4	Iodine	4
Camphor	4	Disinfectants	4	Iodoform	4
Cancer odor	4	Embalming odors	4	Irritants	4
Caprylic acid	4	Ethane	1	Isophorone	4
Carbolic acid	4	Ether	3	*Isoprene	3
Carbon disulfide	4	Ethyl acetate	4	Isopropyl acetate	4
*Carbon dioxide	1	Ethyl acrylic	4	Isopropyl alcohol	4
Carbon monoxide	1	Ethyl alcohol	4	Isopropyl ether	4
Carbon tetrachloride	4	*Ethyl amine	3	Kerosene	4
Cellosolve	4	Ethyl benzene	4	Kitchen odors	4
		Ethyl bromide	4	Lactic acid	4

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Lingering odors	4	Packing house odors	4	Stiffness	4
Liquid fuels	4	Paint and redecorating odors	4	Styrene monomer	4
Liquor odors	4	Palmitic acid	4	*Sulfur dioxide	3
Lubricating oils and greases	4	Paper deteriorations	4	*Sulfur trioxide	3
Lysol	4	Paradichlorobenzene	4	Sulfuric acid	4
Masking agents	4	Paste and glue	4	Tar	4
Medicinal odors	4	Pentane	3	*Tarnishing gases	3
Melons	4	Pentanone	4	Tetrachloroethane	4
Menthol	4	*Pentylene	3	Tetrachloroethylene	4
Mercaptans	4	*Pentyne	3	Theatrical makeup odors	4
Mestyl oxide	4	Perchloroethylene	4	Tobacco smoke odor	4
Methane	1	Perfumes, cosmetics	4	Toilet odors	4
Methyl acetate	3	Perspirations	4	Toluene	4
Methyl acrylate	4	Presistent odors	4	Toluidine	4
Methyl alcohol	3	Pet odors	4	Trichloroethylene	4
Methyl bromide	3	Phenol	4	Trichloroethane	4
Methyl butyl ketone	4	Phosgene	3	Turpentine	4
Methyl cellosolve	4	Pitch	4	Urea	4
Methyl cellosolve acetate	4	Plastics	4	Uric acid	4
Methyl chloride	3	Pollen	3	Valeric acid	4
Methyl chloroform	4	Popcorn and candy	4	Valeraldehyde	4
Methyl ether	3	Poultry odors	4	Varnish fumes	4
Methyl ethyl ketone	4	Propane	2	Vinegar	4
Methyl formate	3	*Propionaldehyde	3	Vinyl chloride	3
Methyl isobutylketone	4	Propionic acid	4	Waste products	3
Methyl mercaptan	4	Propyl acetate	4	Wood alcohol	3
Methyleyclohexane	4	Propyl alcohol	4	Xylene	4
Methyleyclohexanol	4	Propyl chloride	4		
Methyleyclohexanone	4	Propyl ether	4		
Methylene chloride	4	Propyl mercaptan	4		
Mildew	3	*Propylene	2		
Mixed odors	4	*Propyne	2		
Mold	3	Putrefying substances	3		
Monochlorobenzene	4	Putrescine	4		
Monofluorotrichloromethane	4	Pyridine	4		
Moth balls	4	Radiation products	2		
Naphtha (coal tar)	4	Rancid oils	4		
Naphtha (petroleum)	4	Resins	4		
Naphthalene	4	Reodorants	4		
Nicotine	4	Ripening fruits	4		
Nitric acid	3	Rubber	4		
Nitro benzenes	4	Sauerkraut	4		
Nitroethane	4	Sewer odors	4		
Nitrogen dioxide	2	Skatole	4		
Nitroglycerine	4	Slaughtering odors	3		
Nitromethane	4	Smog	4		
Nitropropane	4	Soaps	4		
Nonane	4	Smoke	4		
Octalene	4	Solvents	3		
Octane	4	Sour milks	4		
Odorants	4	Spilled beverages	4		
Onions	4	Spoiled foodstuffs	4		
Organic chemicals	4	Stale odors	4		
Ozone	4	Stoddard solvent	4		

This Adsorption Index is intended to be used only as a relative guide to adsorption capacity for the various compounds listed.

For those compounds marked "*", a specialty chemically impregnated carbon is required.

4 = High Capacity (20 – 50%)

3 = Medium Capacity (10 – 25%)

2 = Low Capacity (<10% w/w)

1 = Not physically adsorbed under normal conditions

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