## Activated Carbon Capacity Index Chart Explanation

The capacity index chart lists substances by both chemical and common name. It is a general list of the most common compounds found in the workplace. The efficiency and capacity of activated carbon to adsorb these substances varies with the concentration in the air, relative humidity and temperature. The capacity index numbers are representative under average conditions and may vary under local conditions.

## Interpretation

All substances are rated on a scale from 1 - 4.

- High adsorption capacity. Substances are adsorbed very efficiently. One pound of activated carbon adsorbs about 20% to 50% of its own weight – average about 1/3 (33-1/3%). This category includes most of the odor causing substances.
- 3. Satisfactory adsorption capacity. Substances are adsorbed well, but not as efficiently as substances rated 4. One pound of activated carbon adsorbs about 10 to 25% of its weight average about 1/6 (16.7%).
- 2. Moderate adsorption capacity. Substances are not highly absorbed but might be adsorbed sufficiently to give acceptable results under the particular operating conditions. These require individual checking
- 1. Poor adsorption capacity. Substances that are not adsorbed by activated carbon fall into this category

Note: Substances marked with \*\*\* are not adequately adsorbed by standard activated carbon. It is necessary to use treated (KMN) carbon to increase the adsorption efficiency.

## CARBON CAPACITY INDEX See Activated Carbon Capacity Index Chart Explanation

	Index	Substance	Index	Substance	Index	Substance	Index
Acatoldobydo***	2	Decene	4	ladaform	4	Bontulono***	2
Acetaidenyde	2	Decalle Decaving Substances	4		4	Pentyrene Bonlyno***	3
Acetic Aciu	4	Decaying Substances	4	Innants	4	Perioderecthylene	3
Acetic Annyunue	4	Debuganta	4		4	Perchioroethylene	4
Acetone	ა ₄	Detergents	4		3	Perfumes, Cosmetics	4
Acetylene	1	Dichlorobenzene	4	торгоруг Асетате	4	Perspirations	4
Acrolain***	3	Dichlorodifluoromethane	4	Isopropyl Alcohol	4	Persistant Odors	4
Acrylic Acid	4	Dichloroethane	4	Isopropyl Ether	4	Pet Odors	4
Acrylonitrile	4	Dichloroethylene	4	Kerosene	4	Phenol	4
Adhesives	4	Dichloroethyl Ether	4	Kitchen Odors	4	Phoagene	3
Air-Wick	4	Dichloromonofluormethane	3	Lactic Acid	4	Pitch	4
Alcoholic Beverages	4	Dichloronitroethane	4	Lingering Odors	4	Plastics	4
Amines***	2	Dichloropropane	4	Liquid Fuels	4	Pollen	3
Ammonia***	2	Dichlorotetrafluoroethane	4	Liquid Odors	4	Popcorn & Candy	4
Amyl Acetate	4	Diesel Fumes & Odors	4	Lubricating Oils & Greases	4	Poultry Odors	4
Amyl Alcohol	4	Diethylamine***	3	Lysol	4	Propane	2
Amyl Ether	4	Diethyl Ketone	4	Masking Agents	4	Proplonaldehyde***	3
Animal Odors	3	Dimethylaniline	4	Medicinal Odors	4	Proplonic Acid	4
Anesthetics	3	Dimethylsulfate	4	Melons	4	Propyl Acetate	4
Aniline	4	Dioxane	4	Menthol	4	Propyl Alcohol	4
Antiseptics	4	Dipropyl Ketone	4	Mercaptans	4	Propyl Chloride	4
Asphalt Fumes	4	Disinfectants	4	Mesityl Oxide	4	Propyl Ether	4
	3	Embalming Odors	4	Methane	1	Propyl Mercantan	4
Bathroom Smells	4	Ethane	1	Methyl Acetate	3	Pronylene***	2
Bleaching	3	Ether	3	Methyl Acrylate	4	Propyne***	2
Body Odors	4	Ethyl Acetate	4	Methyl Alcohol	3	Purefving Substances	3
Borane	7 3		4	Methyl Bromide	3	Putrescine	4
Bromine	J 1		4	Methyl Buty Ketone	1	Byridine	4
Burned Flesh	4	Ethyl Amine***	7	Methyl Cellosolye	4	Padiation Products	+ 2
Burned Food	4	Ethyl Benzene	J 1	Methyl Cellosolve Acetate	4	Radiation Froducts	2
Burning Eat	4	Ethyl Bromide	4	Methyl Chloride	3	Resine	4
Butadiono	4 2	Ethyl Chlorido	4 2	Methyl Chloroform	2	Resilis Roodorante	4
Butano	3 2	Ethyl Ethor	2	Methyl Ethor	2	Republicants Diponing Eruite	4
Butonono	2	Ethyl Eormato	2	Methyl Ethyl Kotono	3	Ripening Fruits Bubbor	4
Butul Acetate	4	Ethyl Moreantan	ა ი	Methyl Enry Reione	4	Souerkrout	4
Butyl Acetate	4	Ethyl Mercaptan	ა ⊿	Methyl Icebutyl Ketene	ა ⊿	Sauerkraut	4
Butyl Aciconol	4	Ethylone***	4	Methyl Isobutyl Ketone	4	Sewer Odors	4
Butyl Cellosolve	4	Ethylene Chlorbydrin	1	Methyl Mercaptan	4	Skatole	4
Butyl Chioride	4	Ethylene Chiornyarin	4	Methylcyclonexane	4	Staughtering Odors	3
Butyl Etner	4	Ethylene Dichloride	4		4	Smog	4
Butylene	2	EthyleneOxide	3	Methylcyclonexone	4	Soaps	4
Butyne"""	2	Essential Olis	4	Methylene Chloride	4	Smoke	4
Butyraidenyde	3	Eucalyptole	4	Mildew	3	Solvents	3
Butyric Acid	4	Exhaust Fumes	3	Mixed Odors	4		4
Camphor	4	Fertilizer	4	Mold	3	Spilled Beverages	4
Cancer Odor	4	Film Processing Odor	3	Momochlorobenzene	4	Spoiled Foodstuffs	4
Caprylic Acid	4	Fish Odors	4	Monofluorotrichloromethan e	4	Stale Odors	4
Carbolic Acid	4	Floral Scents	4	Moth Balls	4	Stoddard Solvent	4
Carbon Disulfide	4	Fluorotrichloromethane	3	Naptha (Coal Tar)	4	Stuffiness	4
Carbon Dioxide***	1	Food Aromas	4	Naptha (Petroleum)	4	Styrene Monomer	4
Carbon Monoxide	1	Formaldehyde***	2	Napthalene	4	Sulfur Dioxide***	2
Carbon Tetrachloride	4	Formic Acid	3	Nicotine	4	Sulfur Trioxide***	3
Cellosolve	4	Fuel Gases	2	Nitric Acid***	3	Sulfuric Acid	4
Cellosolve Acetate	4	Fumes	3	Nitro Benzenes	4	Tar	4
Charred Materials	4	Gangrene	4	Nitroethane	4	Tarniching Gases***	3
Cheese	4	Garlic	4	Nitrogen Dioxide***	2	Tetrachloroethane	4
Chlorine	3	Gasoline	4	Nitroglycerine	4	Theatrical Makeup Odors	4

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Chlorobenzene	4	Heptane	4	Nitromethane	4	Tobacco Smoke Odors	4
Chlorobutadiene	4	Heptylene	4	Nitropropane	4	Toilet Odors	4
Chloroform	4	Hexane	3	Nonane	4	Toluene	4
Chloronitropropane	4	Hexylene***	3	Octalene	4	Toluldine	4
Chloropicrine	4	Hexyne***	3	Octane	4	Trichlorethylene	4
Cigarette Smoke Odors	4	Hospital Odors	4	Odorants	4	Trichloroethane	4
Citrus & Other Fruits	4	Household Smells	4	Onions	4	Turpentine	4
Cleaning Compounds	4	Hydrogen	1	Organic Chemicals	4	Urea	4
Combustion Odors	3	Hydrogen Bromide***	2	Ozone	4	Uric Acid	4
Cooking Odors	4	Hydrogen Chloride***	2	Packing House Odors	4	Valeric Acid	4
Corosive Gases	3	Hydrogen Cyanide***	2	Paint & Redecorating Odors	4	Valericaldehyde	4
Creosole	4	Hydrogen Fluoride***	2	Palmitic Acid	4	Varnish Fumes	4
Cresol	4	Hydrogen Iodide***	3	Paper Deteriorations	4	Vinegar	4
Crolonaldehyde	4	Hydrogen Salenide***	2	Paradichlorobenzene	4	Vinyl Chloride	3
Cyclohexane	4	Hydrogen Sulfine***	3	Paste & Glue	4	Waste Products	3
Cyclohexanol	4	Incense	4	Pentane	3	Wood Alcohol	3
Cyclohexanone	4	Indole	4	Pentanone	4	Xylene	4
Cholohexene	4	lodine	4			-	