



KEY

The number given represents typical or average conditions and might vary in specific instances. The values in the table have been assembled from many sources including laboratory tests and field experience.

The capacity index has the following meaning:

4

High Capacity

High capacity for all materials in this category. One pound takes up 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 Capacity

Satisfactory capacity for all items in this category. These constitute good applications but the capacity is not as high as for category 4. Absorbs about 10 to 25% of its weight - average about 1/6 (16.7%).

2

Limited Capacity

Includes substances which are not highly absorbed but which might be taken up sufficiently to give good service under the particular conditions of operation. These require individual checking.

1

Low Capacity

Adsorption capacity is low for these materials. Activated carbon cannot be satisfactorily used to remove them under normal circumstances.

**Straight activated carbon does not have much capacity for some reactive gases, such as ammonia, formaldehyde, etc. In some cases where the gas is chemically reactive, appropriate impregnated activated carbon can be recommended. Substances marked with an asterisk fall into this category.*

SUBSTANCE

INDEX

* Acetaldehyde	2
Acetic acid	4
Acetic anhydrite	4
Acetone	3
* Acetylene	1
* Acrolein	3
Acrylic acid	4
Aerylonitrile	4
Adhesives	4
Air-Wick	4
Alcoholic beverages	4
* Amines	2
* Ammonia	2
Amyl acetate	4
Amyl alcohol	4
Amyl ether	4
Animal odors	3
Anesthetics	3
Aniline	4
Antiseptics	4
Asphalt fumes	4
Automobile exhaust	3
Bathroom smells	4
Benzene	4
* Bleaching solutions	3
Body odors	4
Bromine	4
Burned flesh	4
Burned food	4
Burning fat	4
Butadiene	3
Butane	2
Butanone	4
Butyl acetate	4
Butyl alcohol	4
Butyl cellosolve	4
Butyl chloride	4
Butyl ether	4
* Butylene	2
* Butyne	2
* Butyraldehyde	3
Butyric acid	4
Camphor	4
Cancer odor	4
Caprylic acid	4
Carbolic acid	4
Carbon disulfide	4
* Carbon dioxide	1
Carbon monoxide	1
Carbon tetrachloride	4
Cellosolve	4
Cellosolve acetate	4

SUBSTANCE

INDEX

Charred materials	4
Cheese	4
* Chlorine	3
Chlorobenzene	4
Chlorobutadiene	4
Chloroform	4
Chloronitropropane	4
Chloropicrin	4
Cigarette smoke odor	4
Citrus and other fruits	4
Cleaning compounds	4
Coal smoke odor	3
Combustion odors	3
Cooking odors	4
* Corrosive gases	3
Creosote	4
Cresol	4
Crotonaldehyde	4
Cyclohexane	4
Cyclohexanol	4
Cyclohexanone	4
Cyclohexene	4
Dead animals	4
Decane	4
Decaying substances	4
Deodorants	4
Detergents	4
Dibromoethane	4
Dichlorobenzene	4
Dichlorodifluoromethane	4
Dichloroethane	4
Dichloroethylene	4
Dichloroethyl ether	4
Dichloromonoflourmethane	3
Dichloronitroethane	4
Dichloropropane	4
Dichlorotetrafluoroethane	4
Diesel fumes	4
* Diethylamine	3
Diethyl ketone	4
Dimethylaniline	4
Dimethylsulfide	4
Dioxane	4
Dipropyl ketone	4
Disinfectants	4
Embalming odors	4
Epoxy	4
Ethane	1
Ether	3
Ethyl acetate	4
Ethyl acrylate	4
Ethyl alcohol	4