

GAS PHASE CAPACITY GUIDE

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Acetic Anhydride	4	Charred Matrenials	4	Ethyl Bromide	3	Isopropyl Acetate	4	Nitrotoluene	4	Slaughtering Odors	3
Acetone	3	Cheese	3	Ethyl Chloride	3	Isopropyl Alcohol	4	Nonane	4	Smog	4
Acetylene	1	Chemicals	3	Ethyl Ether	3	Isopropyl Ether	4	Noxious Gases	3	Smoke	4
Acids	3	Chlorine	3	Ethyl Formate	3	Kerosene	4	Octylene	4	Soaps	4
Acrolein	1	Chlorobenzene	4	Ethyl Mercaptan	4	Kitchen Odors	4	Octane	4	Solvents	3
Acryaldehyde	3	Chlorobutadiene	4	Ethyl Silicate	4	Lactic Acid	4	Odors	4	Sour Milk	4
Acrylonitrile	4	Chloroform	4	Ethylene	4	Lingering Odors	4	Odorants	4	Spilled Beverages	4
Adhesives	4	Chloro Nitropropane	4	Ethylene Chlorhydrin	4	Liquid Fuels	4	Onions	4	Spilled Food Stuffs	4
Aged Manuscripts	4	Chloropiricin	4	Ethylene Dichloride	4	Liquid Odors	4	Organic Chemicals	4	Stale Odors	4
Air Wick	4	Cigarette Smoke	4	Ethylene Oxide	3	Lubricating Oils	4	Ozone	4	Stoddard Solvent	4
Alcoholic Beverages	4	Citrus and other fruits	4	Essential Oils	4	Lubricating Greases	4	Packing House Odors	4	Stiffness	4
Amines	4	Cleaning Compounds	4	Eucalyptole	4	Lysol	4	Paint Odors	4	Styrene Monomer	4
* Ammonia	2	Coal Smoke	3	Exhaust Fumes	3	Masking Agents	4	Palmitic Acid	4	Sulfur Compounds	3
Amyl Acetate	4	Combustion Odors	3	Fabric Finishes	3	Medicinal Odors	4	Paper Deteriorations	4	* Sulfur Dioxide	2
Amyl Alcohol	4	Cooking Odors	3	Fecal Odors	4	Melons	4	Paradichlorobenzene	4	Sulfur Trioxide	3
Amyl Ether	4	Corrosive Gases	3	Female Odors	4	Menthol	4	Paste and Glue	4	Sulfuric Acid	4
Animal Odors	4	Cresol	4	Fertilizer	4	Mercaptans	4	Pentane	3	Tar	4
Anesthetics	3	Crotonaldehyde	4	Film Processing Odors	3	Mesityl Oxide	4	Pentanol	4	Tarnishing Gases	3
Aniline	4	Cyclohexane	4	Fish Odors	4	Methane	1	Pentylene	3	Tetrachloroethane	4
Antiseptics	4	Cyclohexanol	4	Floral Scents	4	Methyl Acetate	3	Pentene	3	Tetrachloroethylene	4
Asphalt Fumes	4	Cyclohexanone	4	Fluorotrichloromethane	3	Methyl Acrylate	4	Perchloroethylene	4	Tetrahydrofuran	3
Automobile Exhaust	3	Cyclohexene	4	Food Aromas	3	Methyl Alcohol	3	Perfumes, Cosmetics	4	Theatrical Makeup Odors	4
Bacteria	3	Dead Animals	4	* Formaldehyde	2	Methyl Bromide	3	Perspiration	4	Tobacco Smoke	4
Bathroom Smells	4	Decaying Substances	4	Freon	3	Methyl Butyl Ketone	4	Persistent Odors	4	Toilet Odors	4
Benzene	3	Decomposition Odors	4	Fuel Gases	2	Methyl Cellosolve	4	Pet Odors	4	Toluene	4
Bleaching Solutions	4	Deodorants	4	Fumes	3	Methyl Cellosolve Acetate	4	Phenol	4	Toluidine	4
Body Odors	4	Detergents	4	Gangrene	4	Methyl Chloride	3	Phosgene	4	Trichlorethylene	4
Bromine	4	Dibromomethane	4	Gasoline	4	Methyl Chloroform	4	Pitch	4	Turpentine	4
Burned Flesh	4	Dichlorobenzene	4	Heptane	4	Methyl Ether	3	Plastics	4	Urea	4
Burned Food	4	Dichlorodifluoromethane	3	Hexane	4	Methyl Ethyl Ketone	4	Poison Gases	3	Uric Acid	4
Burning Fat	4	Dichloroethylene	4	Hexyne	3	Methyl Formate	4	Popcorn and Candy	4	Valeric Acid	4
Butadiene	2	Dichloroethyl Ether	4	Hospital Odors	3	Methyl Isobutyl Ketone	4	Poultry Odors	4	Valeric Aldehyde	4
Butanone	4	Dichloromonofluoromethane	3	Household Smells	4	Methyl Mercaptan	4	Propane	2	Vapors	4
Butyl Acetate	4	Dichloronitroethane	4	Incense	4	Methyl Mercaptan	4	Propionaldehyde	3	Varnish Fumes	4
Butyl Alcohol	4	Dichloropropane	4	Indole	4	Methyl Methacrylate	4	Propionic Acid	4	Vinager	4
Butyl Cellulosolve	4	Dichlorotetrafluoroethane	4	Inorganic Chemicals	3	Methyl Nitroacetate	4	Propyl Acetate	4	Vinyl Chloride	3
Butyl Chloride	4	Diethyl Amine	3	Incomplete Combustion	3	Methylenecyclohexane	4	Propyl Alcohol	4	Viruses	3
Butyl Ether	4	Diethyl Ketone	4	Industrial Wastes	3	Methylenecyclohexanone	4	Propyl Ether	4	Volatile Materials	3
Butylene	2	Dimethylamine	4	Iodine	4	Mildew	3	Propyl Mercaptan	4	Waterproofing Compounds	4
Butyne	2	Dimethylsulfate	4	Iodoform	4	Mixed Odors	4	Propylene	2	Wood Alcohol	3
Butyraldehyde	3	Dioxane	4	Irritants	4	Mold	3	Propyne	2	Xylene	4
Butyric Acid	4	Dipropyl Ketone	4	Isobutyl Alcohol	4	Monochlorobenzene	4	Purifying Substances	3		
Camphor	4	Embalming Odors	4	Isobutyl Acrylate	4	Monofluorotrichloromethane	3	Putrescine	4		
Cancer Odor	4	Caprylic Acid	4	Isobutyl Ether	4	Moth Balls	4	Pyridine	4		
Carbolic Acid	4	Carbon Disulfide	3	Isobutyl Formate	4	Naphtha (Coal Tar)	4	Radiation Products	2		
Carbon Bisulfide	3	Carbon Dioxide	1	Isobutyl Mercaptan	4	Naphthalene*	4	Rancid Oils	4		
Carbon Monoxide	1	Carbon Tetrachloride	4	Isobutyl Nitroacetate	4	Nicotine	4	Redecorating Odors	4		
Carbon Tetrachloride	4			Isobutyl Oxide	4	Nitric Acid	3	Resins	4		

The capacity index has the following meaning:
 4. 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 for all items in this category. These constitute good applications but the capacity is not as high as Category 4. Adsorbs about 10 to 25% of its weight - average about 1/6 (16.7%).
 2. Includes substances which are not highly adsorbed but which might be taken up sufficiently to give good service under particular conditions of operation. These require individual checking.
 1. Adsorption capacity is low for these materials. Activated Carbon cannot be satisfactorily used to remove them under ordinary circumstances.
 * For the asterisked compounds, impregnated carbon or activated alumina with KMnO4 will greatly increase the adsorption ability.