

Legend:

CAR - Carcinogen - agent capable of inducing benign or malignant neoplasms

S - Sensitizer - agent produces respiratory sensitization

R/T - Reproductive toxin or teratogenic -

Reproductive toxin: can cause sterility, reduced fertility, or other adverse reproductive effects (e.g. a mother's ability to produce milk) in animal studies or in people exposed in the workplace.

Teratogenic: can cause birth defects, abnormalities, developmental delays, or death in animal offspring in the absence of significant harmful effect on the mother.

Chemical Name	CAS #	Notation			Industries/Uses
		CAR	S	RT	
Acetaldehyde	75-07-0	X			Cosmetics, aniline dyes, plastics, synthetic rubber, pesticides, pharmaceuticals; in glue and casein products (as a hardener); preservatives for fish, fruit, and leather; paper industry
Acetamide	60-35-5	X			
Acetophenone	98-86-2			X	Soaps, detergents, creams, lotions, and perfumes, foods, nonalcoholic beverages, and tobacco (as a fragrance or flavoring agent); use of plastics and resins (as a solvent); polymerization of olefins (as a catalyst); organic syntheses (as a photosensitizer)
Acrylamide	79-06-1	X			
Alachlor [15972-60-8]	15972-60-8	X			
Aldrin	309-00-2	X			
Allyl chloride	107-05-1	X			
4-Aminodiphenyl	92-67-1	X			No longer produced commercially, in general for research purposes only
Amitrole	61-82-5	X			
Ammonium perfluorooctanoate	3825-26-1	X			
tert-Amyl methyl ether	994-05-8			X	Gasoline industry and fuel industry (as additives)
Aniline	62-53-3	X			
o-Anisidine	90-04-0	X			
Antimony trioxide	1309-64-4	X			Textile and plastic manufacturing (as an additive); in the paint industry and glass manufacturing (as enamel)
Arsenic	7440-38-2	X			Manufacturing or use of insecticides, weed killers, fungicides, and wood preservatives; in the glass industry (bronzing or decolorizing); metal alloys (as a hardener)
Asbestos	1332-21-4	X			Construction and demolition; roofing, thermal and electrical insulation, cement pipe and sheets, flooring, gaskets, friction materials, coatings and compounds, plastics, textiles, paper and other products); in friction materials (break liners)
Atrazine (and related symmetrical triazines)	1912-24-9	X		X	Manufacture or use of herbicides
Benomyl	17804-35-2	X		X	Agriculture industry (as a fungicide); veterinary medicine (anthelmintic for parasitic worms); sewage treatment (oxidizing agent); textile and paint manufacturing (as a pigment); pesticides
Benz[a]anthracene	56-55-3	X			Used for research purposes
Benzene	71-43-2	X			Scientific laboratories (solvent); motor fuel blends (extracting solvent); construction (paint and varnish remover); oil refining

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Benzidine	92-87-5	X			Manufacture of dyes; rubber industry (hardener, compounding agent); analytical research (detection of blood and inorganics)
Benzo[a]pyrene	50-32-8	X			No known industrial uses; may be produced when burning plants, cigarette smoke, wood, coal; operating cars, trucks, other vehicles or smelting
Benzo[b]fluoranthene	205-99-2	X			Cancer research laboratory use; may be produced during incomplete combustion (soot, coal); in emissions from various industrial processes (coal gasification, coke production, iron and steel founding, and aluminum production)
Benzotrichloride	98-07-7	X			Dye industry; manufacture of ultraviolet stabilizers; wastewater treatment plants and textile industries (determination of chlorinated toluenes)
Benzyl chloride	100-44-7	X			
Beryllium and compounds, as Be	7440-41-7	X	X		Used in lightweight metal materials found in defense, aerospace, telecommunications, automotive electronics industries; sports equipment (golf club and bike frames); medical applications (X-ray machines, dental bridges); coal, fuel oil industry (combustion; beryllium production and processing)
Bromacil	314-40-9	X			
Bromoform	75-25-2	X			
1-Bromopropane	106-94-5	X		X	Degreasing processes; metals, plastics, electronic and optical components; dry cleaning, some aerosol spray products
1,3-Butadiene	106-99-0	X			Synthetic rubber industry (tires, vehicle parts, electrical components)
2-Butoxyethanol	111-76-2	X			
2-Butoxyethyl acetate	112-07-2	X			
4-tert-Butylbenzoic acid	98-73-7	X		X	
n-Butyl glycidyl ether	2426-08-6			X	Construction industry (coating of concrete, flooring, repairing of cracks); epoxy resins, electrical insulation, paints, glues; fiberglass finishing
tert-Butyl hydroperoxide	75-91-2			X	Plastics manufacturing industry (as initiators, catalysts and crosslinking agent for the polymerization process); as chemical intermediates, bleaching agents, drying and cleaning agents
Cadmium and compounds, as Cd	7440-43-9	X			Metal industry (coating); manufacture of nuclear reactor rods (liberator); television phosphors, dry film lubricants, lasers, plastic stabilizers, semiconductors; dyeing and printing industries (as pigment in glazes and enamels)
Captafol	2425-06-01	X	X		Agricultural fungicide
Captan	133-06-2	X			
Carbaryl	63-25-2			X	Found in pesticides, insecticides.
Carbon black	1333-86-4	X			
Carbon tetrachloride	56-23-5	X			Manufacture of fluorocarbons (propellants, refrigerants, and plastic-foam blowing agents); industrial solvents; research applications; grain industry (fumigants, insecticides)

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Catechol	120-80-9	X			
Chlordane	57-74-9	X			
Chlorinated camphene	8001-35-2	X			
Chlorobenzene	108-90-7	X			
Chlorodiphenyl (54% chlorine)	11097-69-1	X			
Chloroform	67-66-3	X		X	Manufacture of fluorocarbons, refrigerants, resins, plastics; pharmaceutical industry (as a solvent); manufacture of pharmaceuticals, rubber; dye, drug, pesticide industries (chemical intermediate)
bis(Chloromethyl) ether	542-88-1	X			Only used in enclosed systems in chemical production.
Chloromethyl methyl ether	107-30-2	X			In laboratories (as a methylating agent); treatment of textiles or rubber products
2-Chloropropionic acid	598-78-7			X	Manufacturing of body care, agricultural, chemical, pharmaceutical products.
β-Chloroprene	126-99-8	X			Manufacturing of neoprene, polychloroprene latex, and certain rubber cements.
Chromium, Trivalent chromium water-soluble compounds, Cr (III)	7440-47-3			X	Chromite ore processing - Foundry, steel and glass industry (as a hardener) Cr (III) - use in tanning
Hexavalent chromium water-soluble compounds, Cr (VI)		X	X		Cr (VI) - use as pigments in textile dyes, as well as in paints, inks, and plastics; as corrosion inhibitors; as wood preservatives; in metal finishing and chrome plating; and in leather tanning.
Chromyl chloride, as Cr (VI)	14977-61-8	X	X		Chromyl chloride - use as oxidizing agent
Chrysene	218-01-9	X			
Clothianidin	210880-92-5			X	
Coal tar pitch volatiles, as benzene soluble aerosol	65996-93-2	X			Smelting industry (as a binder), in roofing materials, surface coatings and for pitch coke production.
Cobalt and inorganic compounds, as Co	7440-48-4	X	X		
Crotonaldehyde	4170-30-3	X			
Cumene	98-82-8	X			The main use of cumene is in the production of phenol (and acetone as a co-product). Cumene also has some other limited industrial uses as a paint thinner or as a solvent.
Cyanazine	21725-46-2	X		X	
Cyanoacrylates, Ethyl and Methyl	7085-85-0 137-05-3		X		Use as adhesives in the high-bond-strength, fast-acting household "superglues" to bond glass, metals, plastic, rubber and biological tissue.
Cyclohexanone	108-94-1	X			
DDT (Dichloro-diphenyltrichloroethane)	50-29-3	X			

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Diazomethane	334-88-3	X			Chemical analysis and laboratory processes (methylating agent)
Dibutyl phthalate	84-74-2			X	Insect repellent; in elastomers, explosives, nail polish as a plasticizer; perfumes, oils, textiles, lubricating agents, safety glass (as a solvent); manufacture of nitrile rubber, polyvinyl acetate, nitrocellulose coatings, polyester, epoxy resins
Dichloroacetic acid	79-43-6	X		X	Water treatment (purification); manufacture of agrochemicals and pharmaceuticals; fibre manufacture (as a test reagent); in the medical procedures (as a disinfectant)
Dichloroacetylene	7572-29-4	X			
p-Dichlorobenzene	106-46-7	X			
3,3'-Dichlorobenzidine	91-94-1	X			Manufacture of pigments
1,4- Dichloro-2-butene	764-41-0	X			Use in chemical production
Dichloromethane	75-09-2	X			
1,3-Dichloropropene	542-75-6	X			
Dieldrin	60-57-1	X		X	Agriculture industry (as insecticides, pesticides)
Diesel fuel	[68334-30-5; 68476-30-2; 68476-31-3; 68476-34-6; 77650-28-3], as total hydrocarbons	X			
Diethanolamine	111-42-2	X			
Di(2-ethylhexyl)phthalate	117-81-7	X			Used mainly as a plasticizer for polymers(PVC). Also used in: inks to be printed, paintings and lacquers, adhesives, dielectric fluids for electrical capacitors, pesticides.
Diglycidyl ether	2238-07-5			X	Textile treatment (as a diluent for epoxy resins); generally used in research laboratories
Dimethylacetamide	127-19-5	X		X	Synthetic fibre production (spinning solvent); recovery and purification from top coating, film casting, spinning, chemical process
Dimethyl carbamoyl chloride	79-44-7	X			Manufacture of carbamate pesticides, dyes, drugs; fuel production
Dimethylformamide	68-12-2	X			
1,1-Dimethylhydrazine	57-14-7	X			Gasoline additive, photography developer, chemical intermediate in agriculture
Dimethylphenol, all isomers	95-65-8; 95-87-4; 105-67-9; 108-68-9; 526-75-0; 576-26-1; 1300-71-6	X			
Dimethyl sulfate	77-78-1	X			

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Dinitrotoluene	25321-14-6	X		X	Manufacture of toluene diisocyanate for production of polyurethane plastics, amunitions industry (as a modifier for smokeless powders); military and commercial explosive compositions
1,4-Dioxane [123-91-1]	123-91-1	X			
Epichlorohydrin	106-89-8	X		X	Manufacture of resins, plasticizers, pharmaceuticals, rubber, insecticides
Ethanol	64-17-5	X			
2-Ethoxyethanol	110-80-5			X	Manufacture of lacquers, lacquer thinners, resins, solvents, varnish removers, cleaning compounds, soaps, cosmetics, pesticides, pharmaceuticals, adhesives, detergents (solvent); leather finishes; textile dyeing, printing; brake fluids, aviation fuels
2-Ethoxyethyl acetate	111-15-9			X	Solvent for oils and resins; in wood stains, varnish removers; treatment of textiles, leathers
Ethylbenzene	100-41-4	X			
Ethyl bromide	74-96-4	X			
Ethyl chloride	75-00-3	X			
Ethylene dibromide	106-93-4	X			
Ethylene oxide	75-21-8	X		X	Use of pesticides, sterilants, fumigants; in fire protection sprinkler systems
Ethyleneimine [151-56-4]	151-56-4	X			
2-Ethylhexanoic acid	149-57-5			X	Soaps for paints, varnishes; manufacture of catalysts, inks, dyes, plasticizers, flame retardants, chemical additives; lumber industry (as a pesticide); automotive care products (lubricants and lubricant additives, corrosion inhibitors)
Flour dust	-		X		Flour mills and packing operations; commercial bakeries; breeding plants, farms (animal feeds)
Fludioxonil	131341-86-1	X			
Formaldehyde	50-00-0	X	X		Manufacture of fertilizers, dyes, disinfectants, germicides; preservative for hair shampoos, conditioners, water-based paints; treatment for textile fabrics
Glutaraldehyde, activated or unactivated	111-30-8		X		Health care industry (cold sterilant); biocide on metalworking fluids, in oil and gas pipelines; antimicrobial in water treatment systems; slimicide in paper manufacturing; preservative in cosmetics; disinfectant in animal housing
Glycidol	556-52-5	X			
Glycidyl methacrylate	106-91-2	X			
Hard metals containing Cobalt and Tungsten carbide, as Co	7440-48-4 12070-12-1	X	X		Mining processes; cemented tungsten-carbide industry, cobalt powder industry; alloy production (processing, use of hard metal, grinding and sharpening of steel tools with hard metal abrasives)
Heptachlor	76-44-8	X			

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Hexachlorobenzene	118-74-1	X			
Hexachlorobutadiene	87-68-3	X			
Hexachloroethane	67-72-1	X			
Hexafluoroacetone	684-16-2			X	Solvent for acetal resins and polyamides; in polymer adhesives
Hexahydrophthalic anhydride, all isomers	85-42-7; 13149-00-3; 14166-21-3		X		In epoxy resins (as the curing agent / hardener); in paints, adhesives, and sealants
Hexamethylene diisocyanate (HDI)	822-06-0		X		Automotive industry (curing agents in polyurethane paints for automobile refinishing); medical industry (preparation of dental material, contact lenses, medical adsorbent)
Hexamethyl phosphoramide [680-31-9]	680-31-9	X			
Hydrazine	302-01-2	X			
Hydrogen peroxide [7722-84-1]	7722-84-1	X			
Hydroquinone [123-31-9]	123-31-9	X			
Indium tin oxide, as In	50926-11-9	X			
Iodine and Iodides as I	7553-56-2			X	
Iodoform	75-47-8			X	
Isobutyl nitrite	542-56-3	X			
Isoflurane	26675-46-7			X	
Isophorone	78-59-1	X			
Isophorone diisocyanate	4098-71-9		X		Manufacture of vinyl resins, herbicides, coatings, paint, adhesive and inks (as a solvent); lubricating oil additives, tetramethylguanidine (used in organic synthesis)
Kerosene/Jet fuels, as total hydrocarbon vapour	8008-20-6; 64742-47-8	X			
Lead –and inorganic compounds, as Pb	7439-92-1	X		X	Manufacture of batteries; manufacture of ceramics and glass; soldering; manufacture of paints and varnishes
Lead chromate as Cr (VI)	7758-97-6	X	X	X	Plastics industry (as a dye)
Lindane	58-89-9	X			
Maleic anhydride	108-31-6		X		Manufacture of resins for automobile bodies, structural building panels, molded boats, chemical storage tanks; polyester; detergents and lubricating additives
Mercury, Alkyl compounds, as Hg	7439-97-6			X	

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Mercury - Elemental, as Hg	7439-97-6			X	Manufacture or use of fungicides, slimicides; mining of mercury (in extraction operations)
Mercury - Inorganic compounds, as Hg	7439-97-6			X	Manufacture and repair of industrial and medical apparatus; pesticides, antiseptics, germicides; in the pulp and paper industry
Methomyl	16752-77-5			X	Agriculture (as an insecticide)
2-Methoxyethanol	109-86-4			X	Manufacturing of electronics and semi-conductors; cleaning and furnishing care products; paints and coatings
2-Methoxyethyl acetate (EGMEA)	110-49-6			X	Manufacture of surface coatings and adhesives (as a solvent); paper coatings, textile printing, leather finishes (as a solvent); photographic film
Methyl tert-butyl ether [1634-04-4]	1634-04-4	X			
Methyl n-butyl ketone	591-78-6			X	Commercial solvent for natural and synthetic resins, oils, waxes; found in varnish removers, vinyl lacquers, nitrate wood lacquers; extractive solvent for paraffin wax; used in the separation and purification of certain metals
Methyl chloride	74-87-3			X	Manufacture of silicone resins and tetramethyl lead; manufacture and use of pesticides, pharmaceuticals, perfumes; petroleum refining (as a dewaxing agent); propellant in aerosols; refrigerant; extractant for greases, oils, resins; used in butyl rubber production (as a catalyst solvent), production of plastics (as a foaming agent)
Methylene bisphenyl isocyanate (MDI)	101-68-8		X		Urethane industry (during spraying and molding of urethane foams), in the fabric industry (during the curing process)
4,4'-Methylene bis(2-chloroaniline)	101-14-4	X			Used in the manufacturing of polyurethane products
Methylene (bis(4-cyclohexylisocyanate)	5124-30-1		X		Used to produce urethane products
4,4'-Methylenedianiline	101-77-9	X			
Methylhydrazine	60-34-4	X			
Methyl isobutyl ketone	108-10-1	X			
Methyl isopropyl ketone	563-80-4			X	Process solvents
α-Methylstyrene	98-83-9	X		X	Manufacture of styrene-butadiene rubber, high-impact acrylonitrile-butadiene-styrene plastics, plasticizers (for varnishes, adhesives, plastics)
Methyltetrahydrophthalic anhydride isomers	3425-89-6; 5333-84-6; 11070-44-3; 19438-63-2; 19438-64-3; 26590-20-5; 42498-58-8		X		
Molybdenum, Soluble compounds, as Mo	7439-98-7	X			
Monomethylformamide	123-39-7			X	
Naphthalene [91-20-3]	91-20-3	X			

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β-Naphthylamine	91-59-8	X			Manufacture of dyes, acids, rubber; used in reasearch facilities and laboratories
Natural rubber latex as inhalable allergenic proteins	9006-04-6		X		Rubber and latex manufacturing; commonly found in rubber tires, latex condoms, and surgical gloves
Nickel and inorganic compounds including Nickel subsulfide, as Ni	7440-02-0				Production/use of stainless steel, corrosion and heat resistant alloys; catalysts for hydrogenation of fats and oils; electroplating; textile and ceramic industries (dyeing and printing); processing and refining of ore; manufacture of alloys
Insoluble inorganic compounds (NOS) Nickel subsulfide, as Ni	12035-72-2	X			
Nickel carbonyl, as Ni	13463-39-3	X			
Nitrobenzene	98-95-3	X			
p-Nitrochlorobenzene [100-00-5]	100-00-5	X			
4-Nitrodiphenyl	92-93-3	X			Agriculture industry (as a fungicide); dye industry; wood industry (as a preservative); fibere and plastic industries (industrial solvent, oxidant, additive in lubricants); plasticizer for resins, polystyrenes, cellulose acetate and nitrate; textile industry (as a fungicide)
Nitromethane	75-52-5	X			
2-Nitropropane	79-46-9	X			
N-Nitrosodimethylamine	62-75-9	X			
5-Nitro-o-toluidine	99-55-8	X			
Nitrous oxide	10024-97-2			X	Medical, veterinary, dental operations (anesthetic); foaming agent for whipped cream; oxidant for organic compounds; nitration of alkali metals
p,p'-Oxybis(benzenesulfonyl hydrazide), Inhalable	80-51-3			X	Polymer industry (polymer additive, modifier); electrostatographic toners, buoyancy seats, packing materials, rubber insoles for shoes, insulating materials; adhesives, sealants; rubber gaskets, stoppers; leather substitutes; painting and coating industry
Pentachlorophenol	87-86-5	X			
o-Phenylenediamine	95-54-5	X			
Phenyl glycidyl ether (PGE)	122-60-1			X	Coupling agent, catalyst, reactive diluent in curing rubber, thermostable epoxy resins, tire cord, electric insulating materials; fabric industry (treatment); production of epoxy polymers (use as copolymer); chemical intermediates
Phenylhydrazine	100-63-0	X			
Phenyl isocyanate	103-71-9		X		Organic chemical synthesis (intermediate), manufacture of flexible and rigid foams, fibers, paints and varnishes (coatings), elastomers, automobile industry, autobody repair, building insulation material
Phenylphosphine	638-21-1			X	Laboratory or research use (intermediate or chemical reagent)
o-Phthalaldehyde	643-79-8		X		

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Phthalic anhydride	85-44-9		X		Manufacture of plasticizers (enhance properties of PVC, copolymer resins, etc.), chemicals and chemical intermediates (production of insecticides, insect repellants, chemical reagents, urethane polymers, perfumes, weed killers), pharmaceuticals and pharmaceutical intermediate, epoxy resins (curing and hardening agents)
Piperazine and salts, as piperazine	110-85-0		X		Manufacture of fibers, pharmaceuticals, insecticides; veterinary medical treatment (ascaris treatment for dogs); paint industry (paint and coating additives); petroleum production (processing aids); use as adsorbents, absorbents, solvents (product formulation and mixture)
Prometryn	7287-19-6			X	
Propane sultone	1120-71-4	X			
β-Propiolactone	57-57-8	X			
Propoxur	114-26-1	X			
Propylene oxide [75-56-9]	75-56-9	X			
Propyleneimine [75-55-8]	75-55-8	X			
Pyridine [110-86-1]	110-86-1	X			
Resin Acids, as total Resin acids AKA=Rosin core solder thermal decomposition products (colophony)	8050-09-7		X		Manufacture and use of rosin core solder; printing industry (printing and bindery process)
Silica, crystalline - α-quartz and cristobalite	1317-95-9; 14808-60-7 14464-46-1	X			Electronic and optical industries; manufacture of glass, ceramics, silica-containing products; foundry castings; hydraulic fracturing in gas and oil production; silica flour industry (toothpaste, scouring powder and metal polish); abrasive blasting; mining; construction
Silicon Carbide Fibrous (including whiskers)	409-21-2	X			Used in sandpaper, composites, ceramics, abrasive grinding wheels, refractory materials; found in the aerospace, automotive, power generation industries, reinforcing materials in ceramic composites, transistors, solar cells, rectifiers
Simazine	122-34-9	X			
Styrene - monomer [100-42-5]	100-42-5	X			
Sulfoxaflor	946578-00-3	X			
Sulfuric acid - as strong inorganic acid mist	7664-93-9	X			Manufacture of fertilizer and phosphoric acid; petroleum industry (alkylation catalyst); pigments and dyes; industrial and military explosives; electrogalvanized wire (metal cleaning and plating, anodizing of metal, electroplating); detergents; textile and leather industry (treatment of wool, fabric finishing); used industrial water treatment

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Synthetic vitreous fibers	-				Glass wool, rock wool and slag wool, special-purpose glass fibers, refractory ceramic fibers
Glass wool fibres		X			
Rock wool fibres		X			
Slag wool fibres		X			
Special purpose glass fibres		X			
Refractory ceramic fibers		X			
1,1,2,2-Tetrachloroethane	79-34-5	X			
Tetrachloroethylene	127-18-4	X			
Tetrafluoroethylene	116-14-3	X			
Tetranitromethane	509-14-8	X			
Thiacloprid	111988-49-9	X			
o-Tolidine	119-93-7	X			
Toluene	108-88-3			X	Pharmaceutical, chemical, rubber, plastics industries (as a solvent); paint industry (as a thinner); Agriculture (as an insecticide); fuel industry (as constituent in formulation of fuels)
Toluene diisocyanate, 2,4- or 2,6- (or as mixture)	584-84-9 91-08-7	X	X		Production of polyurethane foams, elastomers, coatings, paints, varnishes, wire enamels, sealants, adhesives, and binders; manufacture of nylon polymers; household products (foam for furniture cushions and carpet padding and waterproof sealants)
o-Toluidine	95-53-4	X			
p-Toluidine	106-49-0	X			
Tributyl phosphate	126-73-8	X			
Trichloroacetic acid	76-03-9	X			
1,1,2-Trichloroethane	79-00-5	X			
Trichloroethylene	79-01-6	X			Used in vapor degreasing, as a solvent; manufacture of vinylidene chloride
1,2,3- Trichloropropane	96-18-4	X			Production of poly-sulfone liquid polymers, dichloropropene, cross-linking agent in polysulfides, hexafluoropropylene; industrial solvent (paint, varnish remover, cleaning and degreasing agent)
1,3,5-Triglycidyl-s-triazinetrione	2451-62-9			X	Metal furniture manufacturing (powder paint); electronics production; in the paint, coating, and resin industries; used in sprayable powder coatings
Trimellitic anhydride	552-30-7		X		Dye industry (paint and coating additives); pharmaceuticals and agrochemicals; vinyl flooring (as an embossing agent); in alkyl and epoxy resins, plasticizers, wall and floor coverings (as a curing agent)
Uranium (natural) Soluble and insoluble compounds, as U	7440-61-1	X			Ceramics industry (as pigments, coloring porcelain, enamelling); x-ray technology (photographic intensifiers)
Vanadium pentoxide, as V	1314-62-1	X			

Legend:					
CAR - Carcinogen - agent capable of inducing benign or malignant neoplasms					
S - Sensitizer - agent produces respiratory sensitization					
R/T - Reproductive toxin or teratogenic -					
Reproductive toxin: can cause sterility, reduced fertility, or other adverse reproductive effects (e.g. a mother's ability to produce milk) in animal studies or in people exposed in the workplace.					
Teratogenic: can cause birth defects, abnormalities, developmental delays, or death in animal offspring in the absence of significant harmful effect on the mother.					
Vinyl acetate	108-05-4	X			
Vinyl bromide	593-60-2	X			Manufacture of flame retardants, copolymers, polymers, and pharmaceuticals
Vinyl chloride	75-01-4	X			Manufacture of polyvinyl chloride resins (raw material); plastic industry (PVC pipes, cable coating, packaging materials)
4-Vinyl cyclohexene	100-40-3	X		X	Fuel industry (as additives); diluent in epoxy resin manufacture
Vinyl cyclohexene dioxide	106-87-6	X		X	Plastic industry (as a diluent in epoxy resins and diepoxides)
Vinyl fluoride	75-02-5	X			Plastic industry (produce PVF for raincoats, metal sheeting); paints, coatings, resins; polymer production
N-Vinyl-2-pyrrolidone	88-12-0	X			
Warfarin	81-81-2			X	Application of rodenticide; medical drug to prevent heart attacks, strokes, blood clots (anticoagulant, blood thinner)
Wood dusts Oak and beech Birch, mahogany, teak, walnut		X X			Wood industry; logging and timber industry; pulp and paper mill industry; furniture and wood-fixture manufacturing; wood related industry (lumber, carpentry, construction)
Wood dusts Western red cedar			X		Wood or lumber industry (processing and handling of woods); lagging and timber industry, construction
Xylidine - Mixed isomers	1330-73-8	X			