

Supplemental Material, Table 1. Workplace exposures and their corresponding chemical components.

	Oil-based paints	Paint thinners	Paint strippers	Varnishes	Adhesives	Dyes or printing inks	Cutting, cooling or lubricating oils	Gas, diesel fuel, motor or fuel oil	Antifreeze or coolants	Degreasers or other cleaning agents	Mineral spirits or white spirits	Solvents like toluene or xylene	Dry cleaning agents
Acetone		X	X	X	X								
Aliphatic chlorinated hydrocarbons		X	X				X						
Aliphatic hydrocarbons	X	X	X	X		X	X	X		X	X	X	
Aromatic hydrocarbons	X	X	X			X		X			X	X	
Benzene								X			X	X	
benzidine													
Carbon tetrachloride										X		X	
Cyclohexane		X			X					X			
Ethyl acetate		X			X								
Ethylene glycol									X				
glycol ethers						X			X				
Heptane					X								
Hexane					X						X		
Methanol		X	X	X									
Methyl chloroform										X			
methyl ethyl ketone (MEK)		X			X								
Methylene chloride			X							X			
MTBE								X					
Naphtha (VM&P)	X			X	X			X					X
Perchloroethylene (same as tetrachloroethylene)										X		X	X
Propylene glycol									X				
Stoddard solvent										X	X		X
Tetraethyl lead								X					
Toluene	X	X			X	X		X				X	
Trichloroethylene										X		X	X
Trichlorotrifluoroethane										X			
Xylene	X	X				X							

Supplemental Material, Table 2. Formaldehyde-related occupations and their probabilities of formaldehyde exposure.

Occupation	Industry	Exp probability-0,1,2 (0=no;1=lo;2=med/hi)
Registered nurses	Hospital	1
	Office and accounting machines	0-1
	Nursing and personal care facilities	1
	Health service, n.e.c.	1
	Offices and clinics of physicians	0-1
Licensed practical nurses	Hospital	1
	Nursing and personal care facilities	1
	Health service, n.e.c.	1
Physicians	Hospital	1
	Offices and clinics of physicians	0-1
Dentists	Offices and clinics of dentists	1
Dental assitant	Offices and clinics of dentists	1
Biological science teachers	Colleges and Universities	1
Biological technicians	Veterinary service	1
	National security and international affairs	1
Clinical laboratory technology	Hospital	2
Pharmacists	Hospital	1
	Drug stores	1
Chemists, except biochemists	Leather tanning and finishing	2
	Cement, concrete, gymsum, and plaster products	1
Chemical technician	Research, development, and testing services	2
Hairdressers and cosmetology	Beauty shops	2
Animal caretakers, except farm	Veterinary service	2
Firefighting occupation	Justice, public order and safety	2
	Navy	2
Supervisors, firefighting and fire prevention occupations	Justice, public order and safety	1
Carpenters	Construction	2
Furniture and wood finisher	Miscellaneous repair services	2

Cabinet makers and bench carpenter	Furniture and fixtures	2
	Museums, art galleries, and zoos	2
Construction laborers	Construction	1
Painters, construction and maintenance	Navy	1
	Construction	1
Carpet installers	Construction	1
Pressing machine operator	Knitting mills	1
Photographers	Army	0-1
	Research, development, and testing services	0-1
	Business service	0-1
Painting and paint spraying machine operator	Furniture and fixtures	2
Upholsterer	Miscellaneous repair services	1
Solderers and brazers	Engines and turbines	0-1
	Not specified electrical machinery, equipment and supplies	0-1
Photographic process machine operator	Photographic equipment and supplies	1
Electrical and electronic technicians	Navy	0-1
	Photographic equipment and supplies	0-1
	Electronic machinery, equipment, and supplies, n.e.c.	0-1
Power plant operator	Pulp, paper, and paperboard mills	2
Cementing and gluing machine operator	Electronic machinery, equipment, and supplies, n.e.c.	1
Furnace, kiln and oven, except food	Pulp, paper, and paperboard mills	2
	Iron and steel foundries	2
Molding and casting machine operator	Iron and steel foundries	2
Welders and cutters	Motor vehicles and motor vehicle equipment	0-1
	Ship and boat building and repairing	0-1
	Furniture and fixtures	1
Slicing and cutting machine operator	Footwear, except rubber and plastic	1
	Miscellaneous paper and pulp products	2
