SUMMARY OF FINAL EVALUATIONS

Agent	Degree of evidence of carcinogenicity		Overall evaluation of carcinogenicity to humans
	Human	Animal	
Acetaldehyde	I	S	2B
Acetamide	ND	S	2B
Acrylic acid	ND	ND	3
Acrylonitrile	I	S	2B
Allyl chloride	I	I	3
Allyl isovalerate	ND	L	3
Aziridine	ND	L	2B*
1,4-Benzoquinone (*para*-quinone)	ND	I	3
1,4-Benzoquinone dioxime	ND	L	3
Benzoyl peroxide	I	L	3
Benzyl acetate	ND	L	3
Bis(2-chloroethyl)ether	I	L	3
1,2-Bis(chloromethoxy)ethane	ND	L	3
1,4-Bis(chloromethoxymethyl)benzene	ND	L	3
Bis(2-chloro-1-methylethyl)ether	ND	L	3
Bis(2,3-epoxycyclopentyl)ether	ND	L	3
Bisphenol A diglycidyl ether	ND	L	3
Bromochloroacetonitrile	ND	I	3
Bromodichloromethane	ND	S	2B
Bromoethane	ND	L	3
Bromoform	ND	L	3
1,3-Butadiene	L	S	2A
1,2:3,4-Diepoxybutane		S	
n-Butyl acrylate	ND	I	3
β-Butyrolactone	ND	S	2B
γ-Butyrolactone	I	ESL	3
Caprolactam	ND	ESL	4
Carbazole	ND	L	3
Carbon tetrachloride	I	S	2B
Catechol	ND	S	2B
α-Chlorinated toluenes and benzoyl chloride (combined exposures)	L		2A
Benzal chloride		L	
Benzotrichloride		S	
Benzyl chloride		S	
Benzoyl chloride		I	
Chloroacetonitrile	ND	I	3
Chlorodibromomethane	ND	L	3

Summary of final evaluations (contd)

Agent	Degree of evidence of carcinogenicity		Overall evaluation of carcinogenicity to humans
	Human	Animal	
Chlorodifluoromethane	I	L	3
Chloroethane	ND	L	3
Chlorofluoromethane	ND	L	3
Chloroprene	I	S	2B
2-Chloro-1,1,1-trifluoroethane	ND	L	3
Cyclohexanone	ND	I	3
Decabromodiphenyl oxide	ND	L	3
Dibromoacetonitrile	ND	I	3
1,2-Dibromo-3-chloropropane	I	S	2B
Dichloroacetonitrile	ND	I	3
Dichloroacetylene	ND	L	3
trans-1,4-Dichlorobutene	ND	I	3
1,2-Dichloroethane	I	S	2B
Dichloromethane	I	S	2B
1,2-Dichloropropane	ND	L	3
1,3-Dichloropropene (technical-grade)	ND	S	2B
1,2-Diethylhydrazine	ND	S	2B
Diethyl sulfate	I	S	2A*
Diglycidyl resorcinol ether (technical-grade)	ND	S	2B
Diisopropyl sulfate	I	S	2B
Dimethylcarbamoyl chloride	I	S	2A*
Dimethylformamide	I	ESL	3
1,1-Dimethylhydrazine	ND	S	2B
1,2-Dimethylhydrazine	ND	S	2A*
Dimethyl hydrogen phosphite	ND	L	3
Dimethyl sulfate	I	S	2A*
1,4-Dioxane	I	S	2B
Epichlorohydrin	I	S	2A*
1,2-Epoxybutane	ND	L	2B*
3,4-Epoxy-6-methylcyclohexylmethyl 3,4-epoxy-6-methylcyclohexane carboxylate	ND	L	3
cis-9,10-Epoxystearic acid	ND	I	3
Ethyl acrylate	ND	S	2B
Ethylene dibromide (1,2-dibromoethane)	I	S	2A*
Glycidaldehyde	ND	S	2B
Hexamethylphosphoramide	ND	S	2B
Hydrazine	I	S	2B
Hydrogen peroxide	I	L	3
Hydroquinone	I	L	3
Isoprene	ND	S	2B
Isopropanol	I	I	3

Summary of final evaluations (contd)

Agent	Degree of evidence of carcinogenicity		Overall evaluation of carcinogenicity to humans
	Human	Animal	
Isopropyl oils	I	I	3
Lauroyl peroxide	ND	I	3
Malonaldehyde (malondialdehyde)	ND	L	3
Methyl acrylate	ND	I	3
2-Methylaziridine (propyleneimine)	ND	S	2B
Methyl bromide	I	L	3
Methyl chloride	I	I	3
4,4′-Methylenediphenyl diisocyanate (industrial preparation)	I		3
Polymeric 4,4′-methylenediphenyl diisocyanate	I		
Mixture containing monomeric and polymeric 4,4′-methylenediphenyl diisocyanate		L	
Methyl iodide	ND	L	3
Methyl methanesulfonate	ND	S	2A*
Morpholine	ND	I	3
1,5-Naphthalene diisocyanate	ND	ND	3
2-Nitropropane	I	S	2B
Pentachloroethane	ND	L	3
Phenol	I	I	3
Phenyl glycidyl ether	ND	S	2B
Polychlorophenols or their sodium salts (combined exposures)	L		2B
2,4-Dichlorophenol		ESL	
2,4,5-Trichlorophenol		I	
2,4,6-Trichlorophenol		L	
Pentachlorophenol		S	
Polyvinyl pyrrolidone	ND	L	3
1,3-Propane sultone	ND	S	2B
β-Propiolactone	ND	S	2B
Resorcinol	ND	I	3
1,1,1,2-Tetrachloroethane	ND	L	3
1,1,2,2-Tetrachloroethane	I	L	3
Tetrafluoroethylene	ND	S	2B
Tetrakis(hydroxymethyl)phosphonium salts	ND	I	3
Toluene	I	ESL	3
Toluene diisocyanates	I	S	2B
Trichloroacetonitrile	ND	I	3
1,1,1-Trichloroethane	I	I	3
1,1,2-Trichloroethane	ND	L	3

Summary of final evaluations (contd)

Agent	Degree of evidence of carcinogenicity		Overall evaluation of carcinogenicity to humans
	Human	Animal	
Triethylene glycol diglycidyl ether	ND	I	3
Tris(2-chloroethyl) phosphate	ND	L	3
1,2,3-Tris(chloromethoxy)propane	ND	L	3
Tris(2,3-dibromopropyl) phosphate	I	S	2A*
Vinyl bromide	ND	S	2A*
Vinylidene chloride	I	L	3
Vinylidene fluoride	ND	I	3
N-Vinyl-2-pyrrolidone	ND	L	3
Xylenes	I	I	3

* Other relevant data were taken into account when making the overall evaluation.

ESL, evidence suggesting lack of carcinogenicity; ND, no epidemiological (or animal) data relevant to the carcinogenicity of the compounds were available; I, inadequate evidence of carcinogenicity; L, limited evidence of carcinogenicity; S, sufficient evidence of carcinogenicity; 2A, probably carcinogenic to humans; 2B, possibly carcinogenic to humans; 3, cannot be classified as to its carcinogenicity to humans; 4, probably not carcinogenic to humans