

Oklahoma State University Chemical Guide A-X

Chemical	NFPA 704				DOT Class	Waste Codes	Category	Breakthrough time, totally immersed at room temperature, in minutes							
	Fire	Health	Reactivity	Other				<14.9 minutes							
								>15 but <179.9 minutes							
								>180 minutes							
								Gloves				Suits			
						Nitrile	4-H / Silver Shield	Neoprene	Latex	Tychem (TM) 9400	Saranex				
Acetaldehyde	4	2	2	N	3	U001, D001	A	<0.6	>360	10.2	7				
Acetic Acid	2	2	0	N	8	D002	Co-Ac	5	>480	360	21	180	>4000.2		
Acetic Anhydride	2	2	1	N	8	D002	Co		>480	210	3	>480			
Acetone	3	1	0		3	U002, F003, D001	A	3	>1440	2.4	2.4	>480	33		
Acetonitrile (Methyl Cyanide)	3	3	0	N	3	D001	B	<5	>1440	<10.8	<0.6	>480	>480		
Acetophenone	2	1	0	N		U004	A		>480						
Acetyl Chloride	3	3	2	WR	3	U006, D001, D002, D003	Fl					160	37.2		
Acrolein	3	3	3	N	6.1	P003, D001	Fl	4.2	>480			>480			
Acrylamide	2	3	2	N	6.1	U007	P		>240						
Acrylic Acid	2	3	2	N	8	U008, D001	Fl		>240	70	80	79			
Acrylonitrile	3	4	2	N	3	U009, D001	Fl	<5	>480			>480	22.8		
Aldehyde					3	D001	A	4	>360						
Allyl Alcohol	3	3	1	N	6.1	P005	Fl			94.8		>480	>480		
Allylamine	3	3	1	N	6.1	D001	Fl		15		<1.2				
Allyl Chloride	3	3	1	N	3	D001	Fl		>240						
Ammonia	1	3	0	N	2.3	D002	Co-Ba		110			35			
Ammonium Fluoride					6.1		Co	>360	>240	>360	>360				
Ammonium Hydroxide					2.3	D002	Co-Ba	360		360	90	160			
Amyl Acetate (Isoamyl Acetate)	3	1	0	N	3	D001	A	<5		5.4	5.4	>480			
Amyl Alcohol	3	1	0	N	3	D001	A	30		321	7.2				
Amyl Nitrile	2	2	0	Ox	3			175.8		46.8					
Aniline	2	3	0	N	6.1	U012	B	18	>1440	30	25	>480	>480		
Benomyl						U271	P		>240						
Benzaldehyde	2	2	0	N	9		A	<5	>480	39	10				
Benzene	3	2	0	N	3	U019, D001, F005, D018	A	4.2	480	1.2	0.6	>480	10.2		
Benzenesulfonic Acid							NR		>240	>1200					
Benzethonium Chloride							NR			>480	>480				
Benzonitrile (Phenyl Cyanide)					6.1		NR				<0.6	>480			
Benzophenone Tetracarboxylic Dianhydride							NR		>240						
Benzoyl Chloride	2	3	2	WR	8		Fl			15					

Benzyl Alcohol	1	2	0	N			A		>480				
Benzyl Cyanide	1	2	0	N			Fl		>240				
Benzyl-dimethylamine (Dimethylbenzylamine)	2	2	0	N	8		Fl		>240				
Bisphenol-diglycidyl Ether									>480				
Bisphthalate								259.8		120	>360		
Boric Acid							NR	>480		>480			
Bromine	0	3	0	Ox	8	D002	Co					9	
Bromoacetonitrile												<0.6	
Bromobenzene	2	2	0	N	3	D001	C	13.2					
Bromoethanol												1.2	
Bromoethylethyl-carbonate									>240				
Bromofluorobenzen							C						>480
Bromopropanol							Co			>480	1.2		
Bromopropionic Acid							Co-Ac			180	190		
Butadiene	4	2	2	N	2.1	D001	Hood			46.8	<1.2	>480	
Butanediol Diglycidyl Ether							Co		>240				
Butanol (Isobutanol)	3	1	0	N	3	D001, U031, F003	A	30	>480	10	1.2	>480	
Butyl Acetate	3	1	0	N	3	D001	A	<5	>480	3.6	1.8		
Butyl Acrylate	2	2	2	N	3	D001	Fl	67.8	>480				
Butylamine	3	3	0	N	3	D001	B	19.8		12	1.2		
Butyl Cellosolve (Butoxyethanol)						D001	A	9		90	45		
Butyl Chloride (Chlorobutane)	3	2	0	N	3	D001	C	12					
Butylfluazifop									>480				
Butyl Glycol									>240				
Butyl Hydroperoxide	4	1	4	Ox	N	D001, D003	OP		>240				
Butyl Nitrite	3	1	3	N	3	D001, D003	OP	97.8					
Butyltoluene					6.1		A	>360	>480	73.2			
Butyraldehyde	3	2	2	N	3	D001	A		>480	25.2		>480	
Butyrolactone	1	0	0	N			A		>480	10	60		
Carbon Disulfide	4	2	0	N	3	P022, D001, F005	Fl	1	>1440		<5	>480	
Carbon Tetrachloride	0	3	0	N	6.1	U211, D019	C	5	>480	4.8	3.6	>480	
Cellosolve (Ethoxyethanol)						D001, F005, U359	A		>360	45	25		
Cellosolve Acetate (Ethoxyethyl Acetate)						D001	A	<5		25	10		
Chlorine	0	3	0	Ox	2.3		Hood		>240	>480		>480	>480
Chloroacetic Acid	1	3	0	N	6.1	D002	Co-Ac						60
Chloroacetone					6.1	D001	Fl		>240				
Chloroacetonitrile											<0.6		
Chloroaniline					6.1		C						323

Chlorobenzene	3	2	0	N	3	U037, D021, D001, F002	C	<5		10.8	<5	>480	
Chlorobutadiene (Chlorophrene)	3	2	0	N		D001	C	3.6		3			
Chloroethanol (Ethylene Chlorohydrin)	2	3	0	N	6.1	D001	Hood		>240	298.8		>480	
Chloroform	0	2	0	N	6.1	U044, D022	C	2.4	10	0.6	0.6	>480	
Chloromethyl Methyl Ether						U046	Fl					305	
Chloronaphthalene	1	1	0	N		U047	P	174	>480		<5		
Chloronitropropane											1.2		
Chloropropanol											<0.6		
Chloropropene	4	2	2	N	3	D001	C		>240				
Chlorosulfonic Acid	0	3	2	WR	8		NR						349.8
Chlorotoluene (Benzyl Chloride)	2	2	1	N	3	P028	Fl	15	>480			>480	
Chromic Acid	0	3	1	Ox	8	D001, D002, D007	Ox	240	>240	75	70.2		
Citric Acid						N	Keep			>360	>360		
Cleaning Agent	2	0	0	N					>480				
Copper										>360			
Creosote	2	2	0	N		U051	Fl		>240	270			
Cresol	2	3	0	N	6.1	U052	Fl	<5	>240	>60	13.8		>180
Crotonaldehyde	3	3	2	N	6.1	D001, U053	Fl			21			
Cyclohexane	3	1	0	N	3	U056, D001	A	360	>480	6	1.8	>480	
Cyclohexanol	2	1	0	N			A	360	>480	150	10		
Cyclohexanone	2	1	0	N	3	U051, D001, F003	A	<5	>480				
Cyclohexylamine	3	2	0	N	8	D001	B		>240	36	1.2		
Cyclopentanone	3	2	0	N	3	D001	A		>240				
Cypermethrin							NR		>240				
Decanal (Decyl Aldehyde)							NR			240			>480
Deep Woods Off (R)									>240				
Diacetone Alcohol (Hydroxy Methyl Pentanone)	2	1	0	N	3	D001	A		>240	300	15		
Diaminodiphenylmethane (Methylene-dianiline)					6.1		NR		>1440			>480	
Diamylamine	2	3	0	N		D001	B	>480		129			
Dibromoethane (Ethylene Dibromide)	0	3	0	N	6.1	U067	Fl	27	>480	4.8	<1.2	>480	7.8
Dibutylamine	2	3	0	N		D001	B	>480					
Dibutyl Ether (Butyl Ether)	3	2	1	N	3	D001	A		>480			396	
Dibutyl Phthalate (Butyl Phthalate)							A	30	>480	120	16.8	>480	
Dichloroaniline	1	3	0	N	6.1		NR					216	
Dichlorobenzene	2	2	0	N	6.1	D027, U072, F002, U070, U071	P	<5	>240				

Dichlorobutene					8	D001	C	2.4	>240	10.2			>1440
Dichloroethane (Ethylene Dichloride)					3	D028, U076, D001, U077	C	2.4	144	1.8	0.6	>480	
Dichloroethylene	3	2	2	N	3	D001, D029, U078	C	7.2	>420				
Dichloromethane					6.1	U080, F002	C		>480			318	
Dichloropropene	3	3	0	N	3	D001	C					>480	
Diesel					3	D001	A	>240				195	
Diethanolamine							B	>480	>240	>480			
Diethylacetamide							NR		>480				
Diethylamine	3	3	0	N	3	D001	B	<5	60		<5	>480	43.8
Diethylamino- ethanol					3	D001	B	>480					
Diethylenedioxi- de (Dioxane)	3	2	1	N	3	D001, U108	A	<5	>480	6.4	2.4		49.6
Diethylenetriamine	1	3	0	N	8		B		>240	>480			
Diethyl- nitrosoamine							NR		>240				
Diethylphthalate						U088	A		>240				
Diisobutylamine					3	D001	B	>480		52.2			
Diisobutyl Ketone					3	D001	A	120	>360	15	15		
Diisopropylamine	3	3	0	N	3	D001	B	195		40.2			
Dimercapto- thiodiazole									>240				
Dimethylacetamide							B	<5	>240		15	>480	64.2
Dimethylamine	4	3	0	N	2.1	D001	Hood			>480	1.8		
Dimethylamino- propylamine						D001	B			28.8	0.6		
Dimethylaniline					6.1		B		>240				
Dimethylbutylamine					3			81					
Dimethylcyclo- hexylamine					8	D001	B		>480				
Dimethyl- ethanolamine (Dimethyl- aminoethanol)					8	D001	B	>480	350	235.2	4.8		
Dimethylethylamine									9				
Dimethylformamide					3	D001	B	<5	>1440	1.2	25	226	
Dimethylhydrazine	3	3	1	N	6.1	D001, U099, U098	Fl	6		37.8	3.6	>480	
Dimethylmercury									60		0.25		
Dimethyl Sulfate	2	4	0	N		U103	Fl		>240			>480	
Dimethylsulfoxide						U103	Fl	28.2	>480	60	79.8	374	
Dimethyl- vinylchloride								9					
Dinol									>240				
Dinoseb						P020	P		>240				
Diocetylphthalate						U107	A			>360	<5		
Dipentene					3	D001	A		>480				
Diphenyl- cyclopropenone									>240				
Diphenylmethane- Diisocyanate					6.1		NR					>480	
Diphthalate									>240				

Diquat Dibromide								NR		>240				
Divinylbenzene	2	2	2	N				Fl	60	>480				
Dodecane								A		>480				
Dynasylan										>480				
Epichlorohydrin	3	3	2	N	6.1	U041, D001		Fl	19.8	>240	15	<1.2	>480	57
Epoxybutane (Butylene Oxide)					3	D001		A			4.2			
Ethanol					3	D001		A	240	>480	49.2	12		
Ethanolamine					8			B	360	>480	360	210		
Ether (Ethyl Ether Diethyl Ether)	4	2	1	N	3	U117, F003, D001		A	13.8	>480	10	10.2	>480	
Ethidium Bromide								NR		>480				
Ethoxypropanol										>240				
Ethyl Acetate					3	U112, D001, F003		A	<5	>1440	12	4.8;	72	36
Ethyl Acrylate	3	2	2	N	3	U113, D001		Fl		>240	48			79.8
Ethylamine					2.1	D001		B	66	28.2				
Ethylbenzene	3	2	0	N	3	F003, D001		A	<5	>480			>480	
Ethylbromide					6.1	D001		C			4.2			
Ethylbutylamine						D001		B			73.2			
Ethyl Cellosolve (Ethoxyethanol)									91.8	>240	244.8	<0.6	>480	
Ethyl Cellosolve Acetate													>480	
Ethyl Cyanide												<0.6		
Ethylenediamine	3	3	0	N		D001		B		92	399	4.8		>480
Ethylene Glycol								A	360	>240	360	360		
Ethyleneimine					6.1	P054, D001		Fl			<4.8			
Ethylene Oxide	4	2	3	N	2.3	U115, D001		Fl		>240			>480	
Ethylglycol										>240				
Ethylglycol Acetate										>240				
Ethylglycol Ether											45	25		
Ethylhexanoic Acid								NR	>240		>240			
Ethylhexanol								A			>480			
Ethyl Methacrylate						U118, D001		Fl	22.8					
Fluorobenzene					3	D001		C					>480	
Fluoroboric Acid	0	3	0	N	8	D002		Co-Ac		>240				
Formaldehyde	4	3	0	N	8	U122		A	>1260	>360	120	6	>480	
Formic Acid	2	3	0	N	8	D002		Co-Ac	5	120	>360	120	>480	
Freon (Dichlorodifluoro- methane)					2.2	U075		C	10.2	>240	3	2.4	>480	
Furaldehyde (Furfural)	2	2	0	N	3	D001, U125		Fl	<5	>480	19.8	15	>480	
Furfuryl Alcohol					6.1	D001		A		>480				
Gasohol					3	D001		A					170	
Gasoline					3	D001		A	30	>240		<5	>480	
Glutaraldehyde								A	>240	>240	>480			
Glycerol (Glycerin)								NR		>240				
Glycerolmonothio- glycolate										>240				

Methoxyethyl Acetate										>240				
Methoxymethyl-pentanone					3		A			99				
Methoxypropanol					3	D001	A		>240					
Methoxypropyl-acetate									>240					
Methyl acetate					3	D001	A		>480			<1.2		
Methyl Acrylate	3	2	2	N	3	D001	Fl			15	1.2			
Methylamine	4	3	0	N	2.1	D001	Hood	>480	114	270	25.2	105		
Methylamino-propylamine										63	3			
Methyl Bromide	1	3	0	N	2.3	U029	Hood				<5		>480	
Methyl Butyl Ether					3	D001	A	5	>480		<5	>480		
Methyl Cellosolve						D001	A	40.2	>240	25	20			
Methyl Chloride	4	2	0	N	2.1	U045, D001	C				0.6	>480		
Methyl Chloroacetate					6.1		C							>480
Methylenabls													>480	
Methylenebis									>240					
Methylenebis Diphenylmethane Diisocyanate							NR		>480					
Methylene Dichloride (Methylene Chloride)	1	2	0	N		F002, U080	C	1.8	114	0.6				
Methylethanolamine							B				>480			
Methyl Ethyl Ketone					3	D035, D001, F005, U159		3.6	>1440	2.4	1.2	>480	9	
Methyl Ethyl Ketone Peroxide					N	U160, D001, D003	OP			>240	45			
Methylethyl-ketoxime													>480	
Methyl Glycol Ether										25	20			
Methylhexanone (Methyl Isoamyl Ketone)					3	D001	A	<5	>480			120		
Methyl Iodide					6.1		C	0.6	123	0.6	1.8			
Methyl Isobutyl Ketone					3	U061, D001, F003	A	12		15	6			
Methyl Isocyanate					6.1	P064, D001	Fl			0.6	0.6	>480		
Methyl Mercaptan					2.3	U153, D001	Hood					>480		
Methyl Methacrylate	3	2	2	N	3	D001, U062	Fl	<5	>480		<1.2	>480		
Methyl Norbornene Dicarboxylic Anhydride (Memtetrahydro-phthalic Anhydride)					8		NR		>240					
Methyl Pentyl Ketone									>240					
Methylpyrrolidone							B	<5	>240		75			
Methyltrichloro-silane	3	3	2	WR	3	D001	Fl		>240					
Mineral Oil						N	MP	>240						

Mineral Spirits						D001	A	>360		90	<5	>480	>10.2
Monoethanolamine	2	2	0	N	8			360	>480	360	50		
Monoethylamine	4	3	0	N	2.1			66	28.2				
Morpholine	3	2	0	N	3	D002	B	<5	>480		20		
Mustard Gas (Dichlorodiethyl Sulfide)							P		>240				
Naphthalene	2	2	0	N	4.1	U165	Fl		>240				
Naphtha					3	D001	A	>360	>480	15	<5		
Naphthylamine					6.1	U167, U168	P		>240				
Nickel										>360			
Nicotine					6.1	P075	P		>240			>480	
Ninhydrin							NR		>240				
Nitric Acid	0	3	1	Ox	8	D002, D001	Co-Ac	5	34.8	79.8	<5	>480	106.8
Nitrobenzene	2	3	1	N	6.1	F004, D036, U169	B	<5	>1440	40.2	4.8	>480	
Nitrodiphenylamine							NR		>240				
Nitroethane	3	1	3	N	3	D001	B		>480	49.2	1.8		
Nitrogen Tetroxide					2.3	D002	Ox					24	
Nitroglycerol (Nitroglycerin)					1.1	P081, D003	Ex		>240				
Nitroglycol									>240				
Nitrohydrochloric Acid (Aqua Regia)					8	D002	Co-Ac			45	<5		
Nitromethane	3	1	4	N	3	D001	B	30	>480	60	<1.2	>480	
Nitropropane	3	1	2	N	3	U171, D001	Fl	12	>480	5	1.8		
Nonylphenol							NR			>1200			
Octane (Isoctane)					3	D001	A	360		60	<5		
Octanol							A	360		360	30		
Oleic Acid							NR	>360		60	30		
Ortho Toluidin									>480				
Osmium Tetroxide					6.1	P087	Hood						
Oxalic Acid	1	2	0	N			NR	360	>480	360	360	>480	
Palmitic Acid							NR	30		>360	4.8		
Parathion					6.1	P089	P		>240				
Pentachlorophenol	0	3	0	N	6.1	F027	P	>780	>480	6	<5		
Pentane					3	D001	A	1.8	>480	6.6	0.6		
Pentylalcohol									176				
Perchloric Acid	0	3	3	Ox	5.1	D001, D002	Ox	360	>240	360	360		
Perchloroethylene					6.1				>480		<5		
Petroleum Ether						D001	A	>240	>480				
Phenol	2	3	0	N	6.1	U188	A	31.8	130	40.2	16.2	>480	
Phenolphthalein							NR	>480		>480	>480		
Phosphoric Acid	0	3	0	N	8	D002	Co-Ac	360	>240	360	360	>480	>840
Phosphorus Oxychloride	0	3	2	WR	8	D002, D003	Co		>240	<0.6			50.4
Phosphorus Trichloride	0	3	2	WR	8	D002, D003	Co					>480	
Phthalic Acid					8		NR		>240				
Picolyl Chloride Hydrochloride									>240				
Picric Acid	4	3	4	N	1.1	D001	Fl			150	<5		

Polychlorinated Biphenyl	1	2	0	N	9	PCB, PCB1, PCB2	P		>480	1440	4.8	>480	120
Polyethylene Glycol							NR		>480				
Polyol							NR		>480				
Potassium Acetate							NR					>480	
Potassium Chromate						D001, D007	Ox					>480	
Potassium Hydroxide	0	3	1	N	8	D002	Co-Ba	360	>240	180	79.8		
Potassium Permanganate					5.1	D001	Ox		>240				
Promethazine Hydrochloride							NR	>480					
Propanol (Isopropanol)					3	D001	A	30	>480	90	7.2		
Propanolamine (Monoiso-propanolamine)										>480	30		
Propiolactone											19.8		
Propionaldehyde	3	2	2	N	3	D001	A			12			
Propiophenone							A		>240				
Propylacetate					3	D001	A	16.8	>480		4.8		
Propylamine	3	3	0	N	3	U194, D001	B			13.8			
Propylenediamine (Diaminopropane)	3	2	0	N		D001	B			271.9	3		
Propyleneglycol							NR		>240			>360	
Propyleneglycol-monoethylether-acetate									>240				
Propylene Oxide	2	4	2	N	3	D001	A		>240		<0.6	>480	
Propyl Ether (Isopropyl Ether)								>60		42.6	3.6		
Propylmethacrylate								60					
Propyl Nitrate	3	2	3	Ox		D001, D003	OP		>240				
Propyzamide									>240				
Pyridine	3	2	0	N	3	U196, F005, D038	B	5.4	>480	1.8	2.4		
Pyrrolidine					3	D001	B					407	
Quinoline					6.1		NR		>240				
Roundup (R) (Glyphosate)							NR		>240				
Rubber Solvent					3					30	<5		
Silicon Etch										>360	<5		
Silver Cyanide					6.1	D003, D011, P104	P-Cn		>240				
Sodium Cyanide	0	3	0	N	6.1	D003, P106	P-Cn					>480	
Sodium Hydroxide	0	3	1	N	8	D002	Co-Ba	360	>480	360	360	>480	>480
Sodium Hypochlorite					5.1	D001	Ox	360	>240	360	360		
Stoddard Solvent	2	0	0	N		D001	A	>240		180	<5	>480	
Stripper									132				
Styrene	3	2	2	N	3	D001	Fl	30	>1440	12	10.2	>480	43.2
Sulfur Dioxide	0	3	0	N	2.3	D001	Ox					>480	
Sulfuric Acid (Oleum)	0	3	2	WR	8	D002	Co-Ac	5	120	70.2	<5	>480	330
Tannic Acid							NR	>360		>360	>360		

Tetrachloroethane					6.1	U208, U209	C	13.2		5.4	1.8		
Tetrachloroethylene	0	2	0	N	6.1	U210, F002, D039	C	5	>1440	6	<1.2	>480	1.8
Tetraethylene-pentamine					8		NR			>480	106		
Tetraethylortho-silicate					3				>480				
Tetrafluoroboric Acid									>240				
Tetrafluoroethylene	4	2	3	N	2.1	D001	Hood			>480			
Tetrahydrofuran	3	2	1	N	3	D001, U213	A	0.6	>480	1.2	1.2	>480	1.8
Tetramethyl-ammonium Hydroxide					8		NR		>240				
Tetramethylene-diamine							NR	108					
Thinner						D001	A		>240				
Thioglycolic Acid (Mercaptoacetic Acid)					8	D002	Hood		>240				
Thiophene					3	D001	Hood		>360				
Thiourea						U219	P		>240				
Toluene	3	2	0	N	3	D001, F005, U220	A	<5	>1440	1.2	0.6	>480	<4.8
Toluene Diisocyanate	1	3	2	N	6.1	U223	P	222	>480		7	>480	
Toluenesulfonic Acid					8		NR			>480			
Toluidine	2	3	0	N	6.1	U328, U053	P					>480	
Transmission Oil						N	MP		>240				
Triallylamine					3	D001	B	>480		63			
Tributylphosphate							NR		>240				
Trichloro-acetonitrile							C			67.2			
Trichlorobenzene					6.1		C	<5		60	4.8	>480	60
Trichloroethane	1	3	0	N	6.1	U227, F002, U226	C	1.8	>480	2.4	1.2	>480	
Trichloroethanol							C					>480	19.2
Trichloroethylene	2	2	0	N	6.1	U228, D040, F002	C	<5	>1440	1.8	0.6	>480	<1.2
Trichloropropane							C	21					
Tricresylphosphate					6.1		NR	60		>360	45		
Triethanolamine							B	>480	>240	>360	60		
Triethylamine	3	2	0	N	3	U404, D001	B	>480		37.2			
Triethylene Diamine							NR		>240				
Triethylene Tetramine					8		B	>480	>240	>480			
Trifluoroacetic Acid					8	D002	Co-Ac		>240				
Trifluoroethanol								7.2		>60	>60	>480	
Tripropylamine					3	D001	B	>480		>480			
Tripropylene Glycol Diacrylate									>240				
Turpentine					3	D001	A	30			<5		

Valeronitrile										40.8	1.8		
Vinyl Acetate	3	2	2	N	3	D001	Fl		>480			>480	
Vinyl Chloride	4	2	2	N	2.1	D001, D043	Hood	342	>480			>480	
Vinylcyclohexane						D001	Fl	391.8					
Vinylidene fluoride						D001	Hood			<1.2	<1.2		
Vinylpyrrolidone							NR		>240				
Xylene	3	2	0	N	3	U239, D001, F003	A	<5	>1440	3	1.2	>480	
										<14.9 minutes			
										>15 but <179.9 minutes			
										>180 minutes			

DOT Classification	Category
Explosive 1.1 1.1	Mixed CHO Compounds A
Explosive 1.2 1.2	Acid - Heavy Metal Ac-HM
Explosive 1.3 1.3	Nitrogenated Hydrocarbons B
Explosive 1.4 1.4	Halogenated Hydrocarbons C
Explosive 1.5 1.5	Corrosive Co
Explosive 1.6 1.6	Corrosive - Acidic Co-Ac
Flammable Gas 2.1	Corrosive - Basic Co-Ba
Nonflammable Gas 2.2	Explosive Ex
Poison Gas/Toxic Gas 2.3	Flammable Fl
Flammable Liquid 3	Keep under Fume Hood Hood
Flammable Solid 4.1	Keep for other uses Keep
Spontaneously Combustible 4.2	Motor Pool Recycling MP
Dangerous when Wet 4.3	None N
Oxidizer 5.1	Non-Regulated NR
Organic Peroxide 5.2	Organic Peroxide OP
Poison/Toxic 6.1	Oxidizer Ox
Infectious Substance 6.2	Poison P
Radioactive Material 7	Poison - Cyanide P - Cn
Corrosive Material 8	Poison - Mercury P - Hg
Misc Hazardous Materials 9	Poison - Heavy Metal P - HM
	Water Reactive WR

The permeation times are based on the lowest common denominator of the following sources. They are intended only as a guide. The suitability of each product must be determined by the user through their own testing. Neither this guide nor any statement made by Oklahoma State University should be construed as a warranty or that any product is fit for a particular purpose.

4H® Chemical Protection Guide, Nov '97
 ACGIH Guidelines for the Selection of Chemical Protective Clothing, 3rd ed., Feb '87
 Ansell Edmont® Chemical Resistance Guide, 5th ed., '90
 Best® Intermittent Chemical Exposure Guide for Best® N-Dex Nitrile Glove, '94
 Driver's Guide to Hazardous Materials, Am Trucking Association, '96
 DuPont® TyFax Data Service TyChem 9400, May '94
 Fire Protection Guide on Hazardous Materials, 10th ed., '91
 Fisher Scientific Catalogue, '95/'96
 Hazardous Materials 181, J.J.Keller&Assoc., '92
 Sorenson, Brenda, Sr. Haz-Mat Tech, OSU-EHS
<http://www.des.umd.edu/lsgloves.html>, Oct. '97
<http://www.pp.okstate.edu/ehs/links/atcdr.htm>, Nov '97

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