

Oklahoma State University Chemical Guide

Alphabetitize	Chemical	NFPA 704				DOT Class	Waste Codes	Category	Total Immersion breakthrough time in minutes					
		Fire	Health	Reactivity	Other				Gloves				Suits	
									Nitrile	Film	Neoprene	Latex	Tychem (TM) 9400	Saranex
Acetaldehyde	Acetaldehyde	4	2	2	N	3	U001, D001	A	4	>480	9	4	>480	
AceticAcid	Acetic Acid	2	2	0	N	8	D002	Co-Ac	5	53	360	21	172	>4000.2
AceticAnhydride	Acetic Anhydride	2	2	1	N	8	D002	Co		>480	210	3	>480	
Acetone	Acetone	3	1	0		3	U002, F003, D001	A	3	1440	2.4	2.4	>480	33
Acetonitrile (MethylCyanide)	Acetonitrile (Methyl Cyanide)	3	3	0	N	3	D001	B	<5	1440	<10.8	<0.6	>480	>480
Acetophenone	Acetophenone	2	1	0	N		U004	A	50	>480	50	60		
AcetoxyacetylChloride	Acetoxyacetyl Chloride								30		130	13		
AcetylChloride	Acetyl Chloride	3	3	2	WR	3	U006, D001, D002, D003	FI					160	37.2
Acrolein	Acrolein	3	3	3	N	6.1	P003, D001	FI	4.2	>480			>480	
Acrylamide	Acrylamide	2	3	2	N	6.1	U007	P	>240	>240	>240	>240	>480	
AcrylicAcid	Acrylic Acid	2	3	2	N	8	U008, D001	FI	75	210	67	80	79	>480
Acrylonitrile	Acrylonitrile	3	4	2	N	3	U009, D001	FI	3	>480	16	16	>480	22.8
Aldehyde	Aldehyde					3	D001	A	4	>360				
AllylAlcohol	Allyl Alcohol	3	3	1	N	6.1	P005	FI	16	>480	20	10	>480	>480
Allylamine	Allylamine	3	3	1	N	6.1	D001	FI		15		<1.2		
AllylChloride	Allyl Chloride	3	3	1	N	3	D001	FI		>480			0	
Ammonia	Ammonia	1	3	0	N	2.3	D002	Co-Ba	>480	30	27		35	19
AmmoniumFluoride	Ammonium Fluoride	0	3	0	N	6.1		Co	>360	>240	>360	>360		
AmmoniumHydroxide	Ammonium Hydroxide	1	3	0	N	2.3	D002	Co-Ba	240	30	180	90	107	
AmylAcetate (IsoamylAcetate)	Amyl Acetate (Isoamyl Acetate)	3	1	0	N	3	D001	A	<5	>480	5.4	5.4	>480	
AmylAlcohol	Amyl Alcohol	3	1	0	N	3	D001	A	30	>480	52	7.2		
AmylNitrile	Amyl Nitrile	2	2	0	Ox	3			175.8		46.8			
Aniline	Aniline	2	3	0	N	6.1	U012	B	3	>1440	30	25	>480	>480
AntimonyTributryrate	Antimony Tributryrate								>240		>240	>240		
AquaRegia (NitrohydrochloricAcid)	Aqua Regia (Nitrohydrochloric Acid)					8	D002	Co-Ac	>360		45	<5		
Benomyl	Benomyl						U271	P		>240				
Benzaldehyde	Benzaldehyde	2	2	0	N	9		A	<5	>480	27	10		

Alphabetitize	Chemical	NFPA 704				DOT Class	Waste Codes	Category	Gloves				Suits	
		Fire	Health	Reactivity	Other				Nitrile	Film	Neoprene	Latex	Tychem (TM) 9400	Saranex
Benzene	Benzene	3	2	0	N	3	U019, D001, F005, D018	A	3	480	1.2	0.6	>480	10.2
BenzenesulfonicAcid	Benzenesulfonic Acid							NR		>240	>1200			
BenzethoniumChloride	Benzethonium Chloride							NR			>480	>480		
Benzonitrile (PhenylCyanide)	Benzonitrile (Phenyl Cyanide)	2	3	0	N	6.1		NR				<0.6	>480	
BenzophenoneTetracarboxylicDi anhydride	Benzophenone Tetracarboxylic Dianhydride							NR		>240				
Benzotrichloride	Benzotrichloride								>480	>480				
Benzotrifluoride	Benzotrifluoride								170	>480		50		
BenzoylChloride	Benzoyl Chloride	2	3	2	WR	8		FI			15		>480	
BenzylAlcohol	Benzyl Alcohol	1	2	0	N			A	>240	>480	>240	>240		
BenzylChloride (Chlorotoluene)	Benzyl Chloride (Chlorotoluene)	2	2	1	N	3	P028	FI	15	>480			>480	26
BenzylCyanide	Benzyl Cyanide	1	2	0	N			FI		>240				
BenzylDimethylamine (Dimethylbenzylamine)	Benzyl Dimethylamine (Dimethylbenzylamine)	2	2	0	N	8		FI		>240				
Biphenyl	Biphenyl								>240		>240	>240		
BispenoldiglycidylEther	Bispenoldiglycidyl Ether									>480				
Bisphthalate	Bisphthalate								259.8		120	>360		
BoricAcid	Boric Acid	0	0	0	N			NR	>480		>480			
Bromine	Bromine	0	3	0	Ox	8	D002	Co					0	
BromoaceticAcid	Bromoacetic Acid									>240				
Bromoacetonitrile	Bromoacetonitrile									>240		<0.6		
Bromoacetophenone	Bromoacetophenone									>240				
Bromobenzene	Bromobenzene	2	2	0	N	3	D001	C	13.2					
Bromoethanol	Bromoethanol											1.2		
BromoethylAcetate	Bromoethyl Acetate								35		33	33		
BromoethylethylCarbonate	Bromoethylethyl Carbonate									>240				
Bromofluorobenzene	Bromofluorobenzene							C					>480	
Bromoform	Bromoform								11		11	16		
Bromopropanol	Bromopropanol							Co			>480	1.2		
BromopropionicAcid	Bromopropionic Acid							Co-Ac	120	>480	180	190		
Butadiene	Butadiene	4	2	2	N	2.1	D001	Hood	>240		46.8	<1.2	>480	
ButanediolDiglycidylEther	Butanediol Diglycidyl Ether							Co		>240				
Butanol (Isobutanol)	Butanol (Isobutanol)	3	1	0	N	3	D001, U031, F003	A	30	>480	10	1.2	>480	
Butoxyethanol (ButylCellosolve) (ButylGlycol)	Butoxyethanol (Butyl Cellosolve) (Butyl Glycol)								9	>240	90	45		>480
ButylGlycol (Butoxyethanol) (ButylCellosolve)	Butyl Glycol (Butoxyethanol) (Butyl Cellosolve)								9	>240	90	45		>480
Butoxypropanol	Butoxypropanol								>240		>240	>240		

Alphabetitize	Chemical	NFPA 704				DOT Class	Waste Codes	Category	Gloves				Suits	
		Fire	Health	Reactivity	Other				Nitrile	Film	Neoprene	Latex	Tychem (TM) 9400	Saranex
Butoxytriglycol	Butoxytriglycol								>240		>240	>240		
ButylAcetate	Butyl Acetate	3	1	0	N	3	D001	A	<5	>480	3.6	1.8		
ButylAcrylate	Butyl Acrylate	2	2	2	N	3	D001	FI	6	>480	20	20	51	
Butylamine	Butylamine	3	3	0	N	3	D001	B	19.8		12	1.2	>480	
ButylCarbitol	Butyl Carbitol								>240		>240	>240		
ButylCellosolve (Butoxyethanol) (ButylGlycol)	Butyl Cellosolve (Butoxyethanol) (Butyl Glycol)	2	2	0	N		D001	A	9	>240	90	45		>480
ButylCellosolveAcetate	Butyl Cellosolve Acetate								>240		>240	>240		
ButylChloride (Chlorobutane)	Butyl Chloride (Chlorobutane)	3	2	0	N	3	D001	C	12					
ButylDipropasol	Butyl Dipropasol								>240		>240	>240		
ButyleneOxide (Epoxybutane)	Butylene Oxide (Epoxybutane)	3	2	1	N	3	D001	A			4.2			
ButylEther (DibutylEther)	Butyl Ether (Dibutyl Ether)	3	2	1	N	3	D001	A		>480			396	
Butylfluazifop	Butylfluazifop									>480				
ButylGlycol	Butyl Glycol									>240				
ButylHydroperoxide	Butyl Hydroperoxide	4	1	4	Ox	N	D001, D003	OP		>240				
ButylNitrite	Butyl Nitrite	3	1	3	N	3	D001, D003	OP	97.8					
ButylPhthalate (DibutylPhthalate)	Butyl Phthalate (Dibutyl Phthalate)	1	0	0	N			A	30	>480	120	16.8	>480	
ButylToluene	Butyl Toluene	2	1	0	N	6.1		A	>360	>480	73.2	>240		
Butyraldehyde	Butyraldehyde	3	2	2	N	3	D001	A		>480	25.2		>480	
ButyricAcid	Butyric Acid									120				
Butyrolactone	Butyrolactone	1	0	0	N			A		>480	10	60		
CarbitolAcetate	Carbitol Acetate								>240		>240	>240		
CarbonDisulfide	Carbon Disulfide	4	2	0	N	3	P022, D001, F005	FI	1	1440	2	1	>480	
CarbonTetrachloride	Carbon Tetrachloride	0	3	0	N	6.1	U211, D019	C	5	>480	4.8	3.6	>480	
Cellosolve (Ethoxyethanol)	Cellosolve (Ethoxyethanol)	2	2	0	N		D001, F005, U359	A	210	>480	45	25		
CellosolveAcetate (EthoxyethylAcetate)	Cellosolve Acetate (Ethoxyethyl Acetate)	2	2	0	N		D001	A	<5	>480	25	10		
Chlorine	Chlorine	0	3	0	Ox	2.3		Hood	>240	>480	>480	>240	>480	>480
ChloroaceticAcid	Chloroacetic Acid	1	3	0	N	6.1	D002	Co-Ac					>480	60
Chloroacetone	Chloroacetone	2	3	2	N	6.1	D001	FI		>240				
Chloroacetonitrile	Chloroacetonitrile											<0.6		
Chloroaniline	Chloroaniline					6.1		C					323	
Chlorobenzene	Chlorobenzene	3	2	0	N	3	U037, D021, D001, F002	C	<5	>480	7	<5	>480	

Alphabetitize	Chemical	NFPA 704				DOT Class	Waste Codes	Category	Gloves				Suits	
		Fire	Health	Reactivity	Other				Nitrile	Film	Neoprene	Latex	Tychem (TM) 9400	Saranex
Chlorobenzotrighloride	Chlorobenzotrighloride								>480			120		
Chlorobenzotrifluoride	Chlorobenzotrifluoride								320		50			
ChlorobenzylChloride	Chlorobenzyl Chloride								200			20		
Chlorobutadiene (Chlorophrene)	Chlorobutadiene (Chlorophrene)	3	2	0	N		D001	C	3.6		3			
Chlorobutane (ButylChloride)	Chlorobutane (Butyl Chloride)	3	2	0	N	3	D001	C	12					
Chloroethanol (EthyleneChlorohydrin)	Chloroethanol (Ethylene Chlorohydrin)	2	3	0	N	6.1	D001	Hood		>240	298.8		>480	
Chloroform	Chloroform	0	2	0	N	6.1	U044, D022	C	2.4	8	0.6	0.6	>480	<1
ChloromethylMethylEther	Chloromethyl Methyl Ether	3	4	3	WR		U046	FI					305	
Chloronaphthalene	Chloronaphthalene	1	1	0	N		U047	P	174	>480			<5	
Chloronitropropane	Chloronitropropane	2	0	3	N							1.2		
Chlorophrene (Chlorobutadiene)	Chlorophrene (Chlorobutadiene)	3	2	0	N		D001	C	3.6		3			
Chloropropanol	Chloropropanol											<0.6		
Chloropropene	Chloropropene	4	2	2	N	3	D001	C		>240				
ChlorosulfonicAcid	Chlorosulfonic Acid	0	3	2	WR	8		NR					180	349.8
Chlorotoluene (BenzylChloride)	Chlorotoluene (Benzyl Chloride)	2	2	1	N	3	P028	FI	15	>480			>480	26
ChromicAcid	Chromic Acid	0	3	1	Ox	8	D001, D002, D007	Ox	240	>240	75	70.2		
CitricAcid	Citric Acid	1	2	0	N		N	Keep	>360		>360	>360		
CitrusTurpenes	Citrus Terpenes								>240		>240	>240		
CleaningAgent	Cleaning Agent	2	0	0	N					>480				
Copper	Copper	0	2	0	N						>360	>360		
Creosote	Creosote	2	2	0	N		U051	FI		>240	270			
Cresol	Cresol	2	3	0	N	6.1	U052	FI	<5	>240	>60	13.8	>480	<120
Crotonaldehyde	Crotonaldehyde	3	3	2	N	6.1	D001, U053	FI			21			
Cumene	Cumene								14		18	22		
Cyclohexane	Cyclohexane	3	1	0	N	3	U056, D001	A	360	>480	6	1.8	>480	
Cyclohexanol	Cyclohexanol	2	1	0	N			A	360	>480	47	10		
Cyclohexanone	Cyclohexanone	2	1	0	N	3	U051, D001, F003	A	<5	>480	30	33		
Cyclohexylamine	Cyclohexylamine	3	2	0	N	8	D001	B		>240	36	1.2		
CycloOctadiene	Cyclo Octadiene								>480	>480				
Cyclopentanone	Cyclopentanone	3	2	0	N	3	D001	A		>240				
Cypermethrin	Cypermethrin							NR		>240				
Decanal (DecylAldehyde)	Decanal (Decyl Aldehyde)							NR			240			>480
Decane	Decane									>480				

Alphabetitize	Chemical	NFPA 704				DOT Class	Waste Codes	Category	Gloves				Suits		
		Fire	Health	Reactivity	Other				Nitrile	Film	Neoprene	Latex	Tychem (TM) 9400	Saranex	
DecylAldehyde (Decanal)	Decyl Aldehyde (Decanal)							NR			240				>480
DeepWoodsOff	Deep Woods Off ®									>240					
Deoxidizer	Deoxidizer								>480				>480		
DiacetoneAlcohol (HydroxyMethylPentanone)	Diacetone Alcohol (Hydroxy Methyl Pentanone)	2	1	0	N	3	D001	A	240	>480	60	15			
Diaminodiphenylmethane (Methylenedianiline)	Diaminodiphenylmethane (Methylenedianiline)	1	3	0	N	6.1		NR		>1440				>480	
Diaminopropane (Propylenediamine)	Diaminopropane (Propylenediamine)	3	2	0	N		D001	B			271.9	3			
Diamylamine	Diamylamine	2	3	0	N		D001	B	>480		129				
Dibromoethane (EthyleneDibromide)	Dibromoethane (Ethylene Dibromide)	0	3	0	N	6.1	U067	FI	27	>480	4.8	<1.2	>480	7.8	
Dibutylamine	Dibutylamine	2	3	0	N		D001	B	>480						
DibutylEther (ButylEther)	Dibutyl Ether (Butyl Ether)	3	2	1	N	3	D001	A		>480				396	
DibutylPhthalate (ButylPhthalate)	Dibutyl Phthalate (Butyl Phthalate)	1	0	0	N			A	30	>480	120	16.8	>480		
Dichloroaniline	Dichloroaniline	1	3	0	N	6.1		NR						216	
Dichlorobenzene	Dichlorobenzene	2	2	0	N	6.1	D027, U072, F002, U070, U071	P	<5	>480	6	14			
Dichlorobutene	Dichlorobutene					8	D001	C	2.4	>240	10.2				>1440
DichlorodiethylSulfide (MustardGas)	Dichlorodiethyl Sulfide (Mustard Gas)							P		>240					
Dichlorodifluoromethane (Freon)	Dichlorodifluoromethane (Freon)					2.2	U075	C	10.2	>240	3	2.4	>480		
Dichloroethane (EthyleneDichloride)	Dichloroethane (Ethylene Dichloride)	3	2	0	N	3	D028, U076, D001, U077	C	2.4	144	1.8	0.6	>480		
Dichloroethylene	Dichloroethylene	3	2	2	N	3	D001, D029, U078	C	7.2	>480					
Dichloromethane	Dichloromethane	1	2	0	N	6.1	U080, F002	C	6	>480	6	2	217		
Dichloropropene	Dichloropropene	3	3	0	N	3	D001	C					>480		
DieselFuel	Diesel Fuel	2	0	0	N	3	D001	A	>240		>240	>240	195		
Diethanolamine	Diethanolamine	1	1	0	N			B	>480	>240	>480	>240			
Diethylacetamide	Diethylacetamide							NR		>480					
Diethylamine	Diethylamine	3	3	0	N	3	D001	B	<5	6	10	4	>480	43.8	
Diethylaminoethanol	Diethylaminoethanol	2	3	0	WR	3	D001	B	>480						
Diethylenedioxide (Dioxane)	Diethylenedioxide (Dioxane)	3	2	1	N	3	D001, U108	A	<5	>480	6.4	2.4			49.6

Alphabetitize	Chemical	NFPA 704				DOT Class	Waste Codes	Category	Gloves				Suits	
		Fire	Health	Reactivity	Other				Nitrile	Film	Neoprene	Latex	Tychem (TM) 9400	Saranex
DiethyleneGlycol	Diethylene Glycol								>240		>240	>240		
DiethyleneGlycolButylEther	Diethylene Glycol Butyl Ether								>323		148	44		
DiethyleneGlycolMonomethylEther	Diethylene Glycol Monomethyl Ether								>240		>240	>240		
DiethyleneGlycolMonopropylEther	Diethylene Glycol Monopropyl Ether								>240		>240	>240		
Diethylenetriamine	Diethylenetriamine	1	3	0	N	8		B		>240	>480			
DiethylEther (Ether) (EthylEther)	Diethyl Ether (Ether) (Ethyl Ether)	4	2	1	N	3	U117, F003, D001	A	3	>480	10	10.2	>480	1
Diethylnitrosoamine	Diethylnitrosoamine							NR		>240				
Diethylphthalate	Diethylphthalate						U088	A		>240				
Diisobutylamine	Diisobutylamine					3	D001	B	>480		52.2			
DiisobutylKetone	Diisobutyl Ketone	2	1	0	N	3	D001	A	120	>480	15	15		
Diisopropylamine	Diisopropylamine	3	3	0	N	3	D001	B	195		40.2			
Dimercaptothiodiazole	Dimercaptothiodiazole									>240				
Dimethylacetamide	Dimethylacetamide	2	2	0	N			B	<5	>480	30	15	>480	64
Dimethylamine	Dimethylamine	4	3	0	N	2.1	D001	Hood			>480	1.8		
Dimethylaminoethanol (Dimethylethanolamine)	Dimethylaminoethanol (Dimethylethanolamine)	2	2	0	N	8	D001	B	>480	350	235.2	4.8		
Dimethylaminopropylamine	Dimethylaminopropylamine						D001	B			28.8	0.6		
Dimethylaniline	Dimethylaniline	1	3	0	N	6.1		B		>240				
Dimethylbenzylamine (Benzyl dimethylamine)	Dimethylbenzylamine (Benzyl dimethylamine)	2	2	0	N	8		FI		>240				
Dimethylbutylamine	Dimethylbutylamine					3			81					
Dimethylcyclohexylamine	Dimethylcyclohexylamine					8	D001	B		>480				
Dimethylethanolamine (Dimethylaminoethanol)	Dimethylethanolamine (Dimethylaminoethanol)	2	2	0	N	8	D001	B	>480	350	235.2	4.8		
Dimethylethylamine	Dimethylethylamine									2				
Dimethylformamide	Dimethylformamide	2	1	0	N	3	D001	B	<5	1440	1.2	25	226	
Dimethylhydrazine	Dimethylhydrazine	3	3	1	N	6.1	D001, U099, U098	FI	6		37.8	3.6	>480	12
Dimethylmercury	Dimethylmercury									60		0.25		
DimethylSulfate	Dimethyl Sulfate	2	4	0	N		U103	FI	30	>240	30	>240	>480	
DimethylSulfoxide	Dimethyl Sulfoxide	1	1	0	N		U103	FI	28.2	>480	60	79.8	374	
Dimethylvinylchloride	Dimethylvinylchloride								9					
Dinitrotoluene	Dinitrotoluene								21		>240	>240		
Dinol	Dinol									>240				
Dinoseb	Dinoseb						P020	P		>240				
DiocetylPhthalate	Diocetyl Phthalate	1	0	0	N		U107	A	360	>480	120	<5		
Dioxane (Diethylenedioxiide)	Dioxane (Diethylenedioxiide)	3	2	1	N	3	D001, U108	A	<5	>480	6.4	2.4		49.6
Dipentene	Dipentene					3	D001	A		36				

Alphabetitize	Chemical	NFPA 704				DOT Class	Waste Codes	Category	Gloves				Suits		
		Fire	Health	Reactivity	Other				Nitrile	Film	Neoprene	Latex	Tychem (TM) 9400	Saranex	
Diphenylcyclopropenone	Diphenylcyclopropenone									>240					
DiphenylmethaneDiisocyanate	Diphenylmethane Diisocyanate	1	2	0	N	6.1		NR						>480	
Diphthalate	Diphthalate									>240				>480	
DiquatDibromide	Diquat Dibromide							NR		>240					
Divinylbenzene	Divinylbenzene	2	2	2	N			FI	14	>480	72	33			
Dodecane	Dodecane	2	0	0	N			A		>480					
Dynasylan	Dynasylan									>480					
Epichlorohydrin	Epichlorohydrin	3	3	2	N	6.1	U041, D001	FI	19.8	>480	10	<1.2	>480	57	
Epoxy	Epoxy									>480					
Epoxybutane (ButyleneOxide)	Epoxybutane (Butylene Oxide)	3	2	1	N	3	D001	A			4.2				
Etch	Etch									>360		>480	<5		
Ethanol	Ethanol	3	0	0	N	3	D001	A	50	>480	37	12			
Ethanolamine	Ethanolamine	2	2	0	N	8		B	360	>480	360	210			
Ether (EthylEther) (DiethylEther)	Ether (Ethyl Ether) (Diethyl Ether)	4	2	1	N	3	U117, F003, D001	A	3	>480	10	10.2	>480	1	
EthidiumBromide	Ethidium Bromide							NR		>480					
Ethoxyethanol (Cellosolve)	Ethoxyethanol (Cellosolve)	2	2	0	N		D001, F005, U359	A	210	>480	45	25			
Ethoxyethanol (EthylCellosolve)	Ethoxyethanol (Ethyl Cellosolve)								91.8	>240	244.8	<0.6	>480	>480	
EthoxyethylAcetate (CellosolveAcetate)	Ethoxyethyl Acetate (Cellosolve Acetate)	2	2	0	N		D001	A	<5	>480	25	10			
Ethoxypropanol	Ethoxypropanol									>240					
EthoxyTriglycol	EthoxyTriglycol									>240		>240	>240		
EthylAcetate	Ethyl Acetate	3	1	0	N	3	U112, D001, F003	A	<5	1440	10	4.8	72	36	
EthylAcrylate	Ethyl Acrylate	3	2	2	N	3	U113, D001	FI		>240	48		14	79.8	
Ethylamine	Ethylamine					2.1	D001	B	66	28.2		66			
EthylBenzene	Ethyl Benzene	3	2	0	N	3	F003, D001	A	4	>480	13	5	>480		
Ethylbromide	Ethylbromide					6.1	D001	C			4.2				
EthylButanol	Ethyl Butanol									>240		>240	>240		
Ethylbutylamine	Ethylbutylamine						D001	B			73.2				
EthylCellosolve (Ethoxyethanol)	Ethyl Cellosolve (Ethoxyethanol)								91.8	>240	244.8	<0.6	>480	>480	
EthylCellosolveAcetate	Ethyl Cellosolve Acetate												>480		
EthylChloride	Ethyl Chloride									>480					
EthylCyanide	Ethyl Cyanide											<0.6			

Alphabetitize	Chemical	NFPA 704				DOT Class	Waste Codes	Category	Gloves				Suits	
		Fire	Health	Reactivity	Other				Nitrile	Film	Neoprene	Latex	Tychem (TM) 9400	Saranex
EthyleneChlorohydrin (Chloroethanol)	Ethylene Chlorohydrin (Chloroethanol)	2	3	0	N	6.1	D001	Hood		>240	298.8		>480	
Ethylenediamine	Ethylenediamine	3	3	0	N		D001	B	>240	47	399	4.8		>480
EthyleneDibromide (Dibromoethane)	Ethylene Dibromide (Dibromoethane)	0	3	0	N	6.1	U067	FI	27	>480	4.8	<1.2	>480	7.8
EthyleneDichloride (Dichloroethane)	Ethylene Dichloride (Dichloroethane)	3	2	0	N	3	D028, U076, D001, U077	C	2.4	144	1.8	0.6	>480	
EthyleneGlycol	Ethylene Glycol							A	360	>480	360	360		
EthyleneGlycolMonohexylEther	Ethylene Glycol Monohexyl Ether								>240		>240	>240		
EthyleneGlycolMononButylEther	Ethylene Glycol Mono-n-Butyl Ether								90	>480	48	45		
Ethyleneimine	Ethyleneimine					6.1	P054, D001	FI			<4.8			
EthyleneOxide	Ethylene Oxide	4	2	3	N	2.3	U115, D001	FI		234			>480	8
EthylEther (Ether) (DiethylEther)	Ethyl Ether (Ether) (Diethyl Ether)	4	2	1	N	3	U117, F003, D001	A	3	>480	10	10.2	>480	1
EthylGlycol	Ethyl Glycol									>240				
EthylGlycolAcetate	Ethyl Glycol Acetate									>240				
EthylglycolEther	Ethylglycol Ether										45	25		
EthylhexanoicAcid	Ethylhexanoic Acid							NR	>240		>240			
Ethylhexanol	Ethylhexanol							A			>480			
EthylMethacrylate	Ethyl Methacrylate						U118, D001	FI	22.8					
Fluorobenzene	Fluorobenzene					3	D001	C					>480	
FluoroboricAcid	Fluoroboric Acid	0	3	0	N	8	D002	Co-Ac	>240	>240	>240	>240		
Formaldehyde	Formaldehyde	4	3	0	N	8	U122	A	>1260	>360	32	6	>480	
FormicAcid	Formic Acid	2	3	0	N	8	D002	Co-Ac	5	60	>360	120	>480	>480
Freon (Dichlorodifluoromethane)	Freon® (Dichlorodifluoromethane)					2.2	U075	C	10.2	>240	3	2.4	>480	
Furaldehyde (Furfural)	Furaldehyde (Furfural)	2	2	0	N	3	D001, U125	FI	<5	>480	19.8	15	>480	
Furfural (Furaldehyde)	Furfural (Furaldehyde)	2	2	0	N	3	D001, U125	FI	<5	>480	19.8	15	>480	
FurfurylAlcohol	Furfuryl Alcohol					6.1	D001	A	28	>480		28		
Gasohol	Gasohol					3	D001	A					170	
Gasoline	Gasoline					3	D001	A	20	170	24	<5	>480	
Glutaraldehyde	Glutaraldehyde							A	>480	>240	>480	210		
Glycerin (Glycerol)	Glycerin (Glycerol)							NR		>240				
Glycerol (Glycerin)	Glycerol (Glycerin)							NR		>240				

Alphabetitize	Chemical	NFPA 704				DOT Class	Waste Codes	Category	Gloves				Suits		
		Fire	Health	Reactivity	Other				Nitrile	Film	Neoprene	Latex	Tychem (TM) 9400	Saranex	
Glycerolmonothioglycolate	Glycerolmonothioglycolate									>240					
Glycerolpropoxytriacylate	Glycerolpropoxytriacylate									>240					
Glycophase (Roundup)	Glycophase (Roundup®)							NR		>240	>240				
Glyphosatisopropylamine	Glyphosatisopropylamine									>240					
HCFC141b	HCFC-141b									92	>480	33			
Heptane	Heptane					3	D001	A		105	>480	45	1.2		
Hexachlorocyclopentadiene	Hexachlorocyclopentadiene					6.1	U130	FI		>480					
HexamethylDisilazane	Hexamethyl Disilazane	3	2	1	N		D001	FI		>360	>480	42	15		
HexamethyleneDiisocyanate	Hexamethylene Diisocyanate					6.1		FI						>480	>480
Hexamethylphosphoramide	Hexamethylphosphoramide							NR		90					
Hexane	Hexane					3	D001	A		43	1440	3.6	4.8	>480	2
Hexene	Hexene									>240		45	12		
HexylCarbitol	Hexyl Carbitol									>240		>240	>240		
HydraulicFluid (Skydrol)	Hydraulic Fluid (Skydrol®)						N	MP		>240	>480	>240	<5		
Hydrazine	Hydrazine	3	3	3	N	8	U133, D001	FI		>480	126	386	150	>480	
HydrobromicAcid	Hydrobromic Acid									>360	>480	>480	>360		
HydrochloricAcid (MuriaticAcid)	Hydrochloric Acid (Muriatic Acid)					8	D002	Co-Ac		360	>480	360	290	>480	300
HydrocyanicAcid (HydrogenCyanide)	Hydrocyanic Acid (Hydrogen Cyanide)	4	4	2	N	6.1	P063	Hood			>240			94	
HydrofluoricAcid	Hydrofluoric Acid					8	U134, D002	Co-Ac		50	15	8	90	67	190.2
HydrogenChloride	Hydrogen Chloride	0	3	0	N	2.3	D002	Hood		>240		>240	>240	>480	
HydrogenCyanide (HydrocyanicAcid)	Hydrogen Cyanide (Hydrocyanic Acid)	4	4	2	N	6.1	P063	Hood			>240			94	
HydrogenFluoride	Hydrogen Fluoride									<15	>480	<15	<15	118	
HydrogenPeroxide	Hydrogen Peroxide	0	2	3	Ox	5.1	D001	Ox		>360	>240	4.8	>480	>480	
HydrogenPhosphide	Hydrogen Phosphide						P096	Hood				10.2	30		
Hydroquinone	Hydroquinone					6.1		NR		>360	>240	108	>360		
Hydroxyethylacrylate	Hydroxyethylacrylate										>240				
Hydroxyethyltrimethylammonium Hydroxide	Hydroxyethyltrimethylammonium Hydroxide										>240				
Hydroxymethacrylate	Hydroxymethacrylate										>240				
HydroxyMethylPentanone (DiacetoneAlcohol)	Hydroxy Methyl Pentanone (Diacetone Alcohol)	2	1	0	N	3	D001	A		240	>480	60	15		
HypophosphorusAcid	Hypophosphorus Acid									>480		>480	>480		
Iminobispropylamine	Iminobispropylamine							B				>480	6		
IsoamylAcetate (AmylAcetate)	Isoamyl Acetate (Amyl Acetate)									<5	>480	5.4	5.4	>480	
IsoamylAlcohol	Isoamyl Alcohol									6		126	126		
Isobutanol (Butanol)	Isobutanol (Butanol)									30	>480	10	1.2	>480	
Isoctane (Octane)	Isoctane (Octane)					3	D001	A		360	>480	60	<5		

Alphabetitize	Chemical	NFPA 704				DOT Class	Waste Codes	Category	Gloves				Suits		
		Fire	Health	Reactivity	Other				Nitrile	Film	Neoprene	Latex	Tychem (TM) 9400	Saranex	
Isophorone (Isophorone Diisocyanate)	Isophorone (Isophorone Diisocyanate)	2	2	0	N					>480					
Isophorone Diisocyanate (Isophorone)	Isophorone Diisocyanate (Isophorone)	2	2	0	N					>480					
Isoprene	Isoprene	4	2	2	N	3			52.2		16.2				
Isopropanol (Propanol)	Isopropanol (Propanol)					3	D001	A	30	>480	30	7.2			114
IsopropylAcetate	Isopropyl Acetate								10		22	22			
IsopropylEther (PropylEther)	Isopropyl Ether (Propyl Ether)					3	D001		>60		42.6	3.6			
JetFuel	Jet Fuel					3	D001	A		>240				>480	
Kerosene	Kerosene					3	D001	A	>360	>480	185	<5			
LacticAcid	Lactic Acid						D002	Co-Ac	>360	>480	>480	>360			
LauricAcid	Lauric Acid							NR	>360		>480	>360			
Limonene	Limonene						D001	A	>240		64.8	>240	>480		
LubricationOil	Lubrication Oil						N	MP		>240					
Malathion	Malathion							NR		>240					
MaleicAcid	Maleic Acid	1	3	1	N	8		NR	>360		>480	>360			
MDI	MDI										480	480			
MemtetrahydrophthalicAnhydride (MethylNorborneneDicarboxylicAnhydride)	Memtetrahydrophthalic Anhydride (Methyl Norbornene Dicarboxylic Anhydride)					8		NR		>240					
MercaptoaceticAcid (ThioglycolicAcid)	Mercaptoacetic Acid (Thioglycolic Acid)					8	D002	Hood		>240					
Mercaptoethanol	Mercaptoethanol						D001	Hood		>240					
MercuricChloride	Mercuric Chloride					6.1	D009	P-Hg						>480	
Mercury	Mercury					8	U151, D009	P-Hg	>480	>480		>480	>480		
MethacrylicAcid	Methacrylic Acid	2	3	2	N	8		NR	10.2	>480				>480	
Methacrylonitrile	Methacrylonitrile					3	U152, D001	FI	7			<1.2			
MethanesulfonicAcid	Methanesulfonic Acid						D002	Co-Ac			>240				
Methanol	Methanol					3	D001, F003, U154	A	10.8	30	15	1.8	92	>480	
Methoxyethanol	Methoxyethanol								11	440	10	20			80
MethoxyethylAcetate	Methoxyethyl Acetate									>240					260
MethoxyethylEther	Methoxyethyl Ether									>480					
Methoxymethylpentanone	Methoxymethylpentanone					3		A			99				
Methoxypropanol	Methoxypropanol					3	D001	A		>240					
Methoxypropylacetate	Methoxypropylacetate									>240					
Methoxytriglycol	Methoxytriglycol								>240		>240	>240			
MethylAcetate	Methyl Acetate					3	D001	A	3	>480	14	<1.2			
MethylAcrylate	Methyl Acrylate	3	2	2	N	3	D001	FI			15	1.2	>480		
Methylamine	Methylamine	4	3	0	N	2.1	D001	Hood	>480	24	100	25.2	105		

Alphabetitize	Chemical	NFPA 704				DOT Class	Waste Codes	Category	Gloves				Suits	
		Fire	Health	Reactivity	Other				Nitrile	Film	Neoprene	Latex	Tychem (TM) 9400	Saranex
Methylaminopropylamine	Methylaminopropylamine										63	3		
MethylBromide	Methyl Bromide	1	3	0	N	2.3	U029	Hood				<5		47
MethylButylEther	Methyl Butyl Ether					3	D001	A	5	>480	14	<5	>480	
MethylCellosolve	Methyl Cellosolve						D001	A	40.2	>240	25	20		
MethylChloride	Methyl Chloride	4	2	0	N	2.1	U045, D001	C	>240		>240	0.6	>480	
MethylChloroacetate	Methyl Chloroacetate					6.1		C						>480
MethylCyanide (Acetonitrile)	Methyl Cyanide (Acetonitrile)								<5	1440	<10.8	<0.6	>480	>480
Methylenabls	Methylenabls												>480	
MethyleneBromide	Methylene Bromide									>480				
Methylenebis	Methylenebis									>240			>480	
MethylenebisDiphenylmethaneDii socyanate	Methylenebis Diphenylmethane Diisocyanate							NR		>480				
MethyleneChloride (MethyleneDichloride)	Methylene Chloride (Methylene Dichloride)	1	2	0	N		F002, U080	C	1.8	20	0.6	4		2
Methylenedianiline (Diaminodiphenylmethane)	Methylenedianiline (Diaminodiphenylmethane)	1	3	0	N	6.1		NR	>240	>1440	>240	>240	>480	
MethyleneDichloride (MethyleneChloride)	Methylene Dichloride (Methylene Chloride)	1	2	0	N		F002, U080	C	1.8	20	0.6	4		2
Methylethanolamine	Methylethanolamine							B			>480			
MethylEthylKetone	Methyl Ethyl Ketone					3	D035, D001, F005, U159		3.6	9	2.4	1.2	>480	9
MethylEthylKetonePeroxide	Methyl Ethyl Ketone Peroxide					N	U160, D001, D003	OP			>240	45		
MethylEthylKetoxime	Methyl Ethyl Ketoxime								>240		>240	>240	>480	
MethylGlycolEther	Methyl Glycol Ether										25	20		
Methylhexanone (MethylIsoamylKetone)	Methylhexanone (Methyl Isoamyl Ketone)					3	D001	A	<5	>480			120	
MethylIodide	Methyl Iodide					6.1		C	0.6	8	0.6	1	>480	
MethylIsoamylKetone (Methylhexanone)	Methyl Isoamyl Ketone (Methylhexanone)					3	D001	A	<5	>480			120	
MethylIsobutylKetone	Methyl Isobutyl Ketone					3	U061, D001, F003	A	12	>480	15	6	120	
MethylIsobutylKetoxime	Methyl Isobutyl Ketoxime								>240		>240	>240		
MethylIsocyanate	Methyl Isocyanate					6.1	P064, D001	FI			0.6	0.6	>480	2
MethylMercaptan	Methyl Mercaptan					2.3	U153, D001	Hood					>480	
MethylMethacrylate	Methyl Methacrylate	3	2	2	N	3	D001, U062	FI	<5	>480	19	<1.2	>480	

Alphabetitize	Chemical	NFPA 704				DOT Class	Waste Codes	Category	Gloves				Suits		
		Fire	Health	Reactivity	Other				Nitrile	Film	Neoprene	Latex	Tychem (TM) 9400	Saranex	
MethylNorborneneDicarboxylicAnhydride (MemtetrahydrophthalicAnhydride)	Methyl Norbornene Dicarboxylic Anhydride (Memtetrahydrophthalic Anhydride)					8		NR		>240					
MethylPentylKetone	Methyl Pentyl Ketone									>240					
MethylPropanol	Methyl Propanol								>240		>240	>240			
MethylPropylKetone	Methyl Propyl Ketone									>480	6	6			
MethylPyrrolidone	Methyl Pyrrolidone							B	<5	>480	47	47			
Methyltrichlorosilane	Methyltrichlorosilane	3	3	2	WR	3	D001	FI		>240					
MineralOil	Mineral Oil						N	MP		>240					
MineralSpirits	Mineral Spirits						D001	A	3	>480	23	<5	>480	>10.2	
Monoethanolamine	Monoethanolamine	2	2	0	N	8			360	>480	57	50			
Monoethylamine	Monoethylamine	4	3	0	N	2.1			66	28.2					
Monoisopropanolamine (Propanolamine)	Monoisopropanolamine (Propanolamine)										>480	30			
Morpholine	Morpholine	3	2	0	N	3	D002	B	<5	94	43	20			
MuriaticAcid (HydrochloricAcid)	Muriatic Acid (Hydrochloric Acid)					8	D002	Co-Ac	360	>480	360	290	>480	300	
MustardGas (DichlorodiethylSulfide)	Mustard Gas (Dichlorodiethyl Sulfide)							P		>240					
Naphthalene	Naphthalene	2	2	0	N	4.1	U165	FI		>240					
Naphtha	Naphtha					3	D001	A	>360	>480	15	<5			
Naphthylamine	Naphthylamine					6.1	U167, U168	P		>240					
Nickel	Nickel								>360		>360	>360			
Nicotine	Nicotine					6.1	P075	P		>240			>480		
Ninhydrin	Ninhydrin							NR		>240					
NitricAcid	Nitric Acid	0	3	1	Ox	8	D002, D001	Co-Ac	5	34.8	79.8	<5	>480	106.8	
Nitrobenzene	Nitrobenzene	2	3	1	N	6.1	F004, D036, U169	B	<5	1440	35	4.8	>480		
Nitrodiphenylamine	Nitrodiphenylamine							NR		>240					
Nitroethane	Nitroethane	3	1	3	N	3	D001	B		>480	49.2	1.8			
NitrogenDioxide (NitrogenTetroxide)	Nitrogen Dioxide (Nitrogen Tetroxide)					2.3	D002	Ox					24	>480	
NitrogenTetroxide (NitrogenDioxide)	Nitrogen Tetroxide (Nitrogen Dioxide)					2.3	D002	Ox					24	>480	
Nitroglycerin (Nitroglycerol)	Nitroglycerin (Nitroglycerol)					1.1	P081, D003	Ex		>240					
Nitroglycerol (Nitroglycerin)	Nitroglycerol (Nitroglycerin)					1.1	P081, D003	Ex		>240					
Nitroglycol	Nitroglycol									>240					

Alphabetitize	Chemical	NFPA 704				DOT Class	Waste Codes	Category	Gloves				Suits	
		Fire	Health	Reactivity	Other				Nitrile	Film	Neoprene	Latex	Tychem (TM) 9400	Saranex
NitrohydrochloricAcid (AquaRegia)	Nitrohydrochloric Acid (Aqua Regia)					8	D002	Co-Ac	>360		45	<5		
Nitromethane	Nitromethane	3	1	4	N	3	D001	B	1.5	>480	30	<1.2	>480	
Nitropropane	Nitropropane	3	1	2	N	3	U171, D001	FI	12	>480	5	1.8		
Nonylphenol	Nonylphenol							NR			>1200			
Octane (Isoctane)	Octane (Isoctane)					3	D001	A	360	>480	60	<5	>480	
Octanol	Octanol							A	360		53	30		
OleicAcid	Oleic Acid							NR	>360		13	30		
Oleum (SulfuricAcid)	Oleum (SulfuricAcid)	0	3	2	WR	8	D002	Co-Ac	5	30	70.2	<5	>480	37
OrthoToluidin	Ortho Toluidin									>480				
OsmiumTetroxide	Osmium Tetroxide					6.1	P087	Hood						
OxalicAcid	Oxalic Acid	1	2	0	N			NR	360	>480	360	360	>480	
Oxybisbenzene	Oxybisbenzene								>240		>240	>240		
PalmiticAcid	Palmitic Acid							NR	30		193	4.8		
Parathion	Parathion					6.1	P089	P		>240				120
PCB (PolychlorinatedBiphenyl)	PCB (Polychlorinated Biphenyl)	1	2	0	N	9	PCB, PCB1, PCB2	P	>480	>480	1440	4.8	>480	60
Pentachlorophenol	Pentachlorophenol	0	3	0	N	6.1	F027	P	>780	>480	6	<5		
Pentane	Pentane					3	D001	A	1.8	>480	6.6	0.6		
Pentylalcohol	Pentylalcohol									176				
PerchloricAcid	Perchloric Acid	0	3	3	Ox	5.1	D001, D002	Ox	360	>240	360	360		
Perchloroethylene	Perchloroethylene					6.1			11	>480	12	<5		
PetroleumEther	Petroleum Ether						D001	A	>240	>480				
Phenol	Phenol	2	3	0	N	6.1	U188	A	10	70	40.2	16.2	>480	
Phenolphthalein	Phenolphthalein							NR	>480		>480	>480		
PhenylCyanide (Benzonitrile)	Phenyl Cyanide (Benzonitrile)											<0.6	>480	
PhosphoricAcid	Phosphoric Acid	0	3	0	N	8	D002	Co-Ac	360	>240	360	360	>480	>840
PhosphorusOxychloride	Phosphorus Oxychloride	0	3	2	WR	8	D002, D003	Co		>240	<0.6		>480	50.4
PhosphorusTrichloride	Phosphorus Trichloride	0	3	2	WR	8	D002, D003	Co					>480	
PhthalicAcid	Phthalic Acid					8		NR		>240				
PickleSolution	Pickle Solution								>480		>480	>480		
PicolylChlorideHydrochloride	Picolyl Chloride Hydrochloride									>240				
PicricAcid	Picric Acid	4	3	4	N	1.1	D001	FI	160		150	<5		
PolychlorinatedBiphenyl (PCB)	Polychlorinated Biphenyl (PCB)	1	2	0	N	9	PCB, PCB1, PCB2	P	>480	>480	1440	4.8	>480	60
PolyethyleneGlycol	Polyethylene Glycol							NR		>480				
Polyol	Polyol							NR		>480				
PotassiumAcetate	Potassium Acetate							NR					>480	

Alphabetitize	Chemical	NFPA 704				DOT Class	Waste Codes	Category	Gloves				Suits	
		Fire	Health	Reactivity	Other				Nitrile	Film	Neoprene	Latex	Tychem (TM) 9400	Saranex
PotassiumChromate	Potassium Chromate						D001, D007	Ox					>480	
PotassiumHydroxide	Potassium Hydroxide	0	3	1	N	8	D002	Co-Ba	360	>240	180	79.8		
PotassiumPermanganate	Potassium Permanganate					5.1	D001	Ox		>240				
PromethazineHydrochloride	Promethazine Hydrochloride							NR	>480					
Propane	Propane								>480		>480			
Propanol (Isopropanol)	Propanol (Isopropanol)					3	D001	A	30	>480	30	7.2		114
Propanolamine (Monoisopropanolamine)	Propanolamine (Monoisopropanolamine)										>480	30		
Propiolactone	Propiolactone											19.8		
Propionaldehyde	Propionaldehyde	3	2	2	N	3	D001	A			12			
PropionicAcid	PropionicAcid									96				
Propiophenone	Propiophenone							A		>240				
Propoxypropanol	Propoxypropanol								>240		>240	>240		
PropylAcetate	Propyl Acetate					3	D001	A	15	>480	14	4.8		
Propylamine	Propylamine	3	3	0	N	3	U194, D001	B			13.8		>480	
PropylCellosolve	Porpyl Cellosolve								3540		>240	>240		
Propylenediamine (Diaminopropane)	Propylenediamine (Diaminopropane)	3	2	0	N		D001	B			271.9	3		
PropylenegGlycol	Propylene Glycol							NR	>240	>240	>240	>360		
PropyleneGlycolMonoEthylAcetate	Propylene Glycol Mono Ethyl Acetate								200	>480	18	13		
PropyleneOxide	Propylene Oxide	2	4	2	N	3	D001	A	7	26	18	<0.6	>480	10
PropylEther (IsopropylEther)	Propyl Ether (Isopropyl Ether)					3	D001		>60		42.6	3.6		
Propylmethacrylate	Propylmethacrylate								60					
PropylNitrate	Propyl Nitrate	3	2	3	Ox		D001, D003	OP		>240				
Propyzamide	Propyzamide									>240				
Psuedocumene	Psuedocumene								8		19	19		
Pyridine	Pyridine	3	2	0	N	3	U196, F005, D038	B	5.4	>480	1.8	2.4	>480	
Pyrrolidine	Pyrrolidine					3	D001	B					407	
Quinoline	Quinoline					6.1		NR		>240				
Roundup (Glycophase)	Roundup ® (Glycophase)							NR	>240	>240				
RubberSolvent	Rubber Solvent					3			>360		30	<5		
Safrotin	Safrotin								>240		>240	>240		
SilverCyanide	Silver Cyanide					6.1	D003, D011, P104	P-Cn		>240				
Skydrol (HydraulicFluid)	Skydrol ® (Hydraulic Fluid)								>240	>480	>240	<5		
SodiumCyanide	Sodium Cyanide	0	3	0	N	6.1	D003, P106	P-Cn					>480	

Alphabetitize	Chemical	NFPA 704				DOT Class	Waste Codes	Category	Gloves				Suits	
		Fire	Health	Reactivity	Other				Nitrile	Film	Neoprene	Latex	Tychem (TM) 9400	Saranex
SodiumHydroxide	Sodium Hydroxide	0	3	1	N	8	D002	Co-Ba	360	>480	360	360	>480	>480
SodiumHypochlorite	Sodium Hypochlorite					5.1	D001	Ox	360	>240	360	360		
StoddardSolvent	Stoddard Solvent	2	0	0	N		D001	A	>240	>480	10	<5	>480	
Stripper	Stripper									132				
Styrene	Styrene	3	2	2	N	3	D001	FI	6	>1440	10	10	>480	43
SulfurDichloride	Sulfur Dichloride								>480				70	
SulfurDioxide	Sulfur Dioxide	0	3	0	N	2.3	D001	Ox					>480	
SulfuricAcid (Oleum)	Sulfuric Acid (Oleum)	0	3	2	WR	8	D002	Co-Ac	5	30	70.2	<5	>480	37
SulfurMonochloride	Sulfur Monochloride								>480					
TannicAcid	Tannic Acid							NR	>360		>360	>360		
Tetrachloroethane	Tetrachloroethane					6.1	U208, U209	C	13.2		5.4	1.8	0	
Tetrachloroethylene	Tetrachloroethylene	0	2	0	N	6.1	U210, F002, D039	C	5	1440	6	<1.2	>480	1.8
Tetraethylenepentamine	Tetraethylenepentamine					8		NR			>480	106		
Tetraethylorthosilicate	Tetraethylorthosilicate					3				>480				
TetrafluoroboricAcid	Tetrafluoroboric Acid									>240				
Tetrafluoroethylene	Tetrafluoroethylene	4	2	3	N	2.1	D001	Hood			>480			
Tetrahydrofuran	Tetrahydrofuran	3	2	1	N	3	D001, U213	A	0.6	>480	1.2	1.2	>480	1.8
TetramethylammoniumHydroxide	Tetramethylammonium Hydroxide					8		NR		>240				
Tetramethylenediamine	Tetramethylenediamine							NR	108					
Thinner	Thinner						D001	A		>240				
ThioglycolicAcid (MercaptoaceticAcid)	Thioglycolic Acid (Mercaptoacetic Acid)					8	D002	Hood		>240			>480	
Thiophene	Thiophene					3	D001	Hood		>360				
Thiourea	Thiourea						U219	P		>240				
Toluene	Toluene	3	2	0	N	3	D001, F005, U220	A	<5	1440	1.2	0.6	>480	<4.8
TolueneDiisocyanate	Toluene Diisocyanate	1	3	2	N	6.1	U223	P	222	>480	65	7	>480	>480
ToluenesulfonicAcid	Toluenesulfonic Acid					8		NR			>480			
Toluidine	Toluidine	2	3	0	N	6.1	U328, U053	P	14		>240	>240	>480	>120
TransmissionOil	Transmission Oil						N	MP		>240				
Triallylamine	Triallylamine					3	D001	B	>480		63			
Tributylphosphate	Tributylphosphate							NR		>240				
Trichloroacetonitrile	Trichloroacetonitrile							C			67.2			
Trichlorobenzene	Trichlorobenzene					6.1		C	<5		32	4.8	>480	15
Trichloroethane	Trichloroethane	1	3	0	N	6.1	U227, F002, U226	C	1.8	>480	2.4	1.2	>480	

Alphabetitize	Chemical	NFPA 704				DOT Class	Waste Codes	Category	Gloves				Suits	
		Fire	Health	Reactivity	Other				Nitrile	Film	Neoprene	Latex	Tychem (TM) 9400	Saranex
Trichloroethanol	Trichloroethanol							C					>480	19
Trichloroethylene	Trichloroethylene	2	2	0	N	6.1	U228, D040, F002	C	<5	>1440	1.8	0.6	>480	<1.2
Trichloropropane	Trichloropropane							C	21					
TricresylPhosphate	Tricresyl Phosphate					6.1		NR	60		253	45		
Triethanolamine	Triethanolamine							B	>480	>240	170	60		
Triethylamine	Triethylamine	3	2	0	N	3	U404, D001	B	>480		37.2			>480
TriethyleneDiamine	Triethylene Diamine							NR		220				
TriethyleneTetramine	Triethylene Tetramine					8		B	>480	>240	>480			
TrifluoroaceticAcid	Trifluoroacetic Acid					8	D002	Co-Ac		>240				
Trifluoroethanol	Trifluoroethanol								7.2		>60	>60	>480	
Tripopylamine	Tripopylamine					3	D001	B	>480		>480			
TripopyleneGlycolDiacrylate	Tripopylene Glycol Diacrylate									>240				
Turpentine	Turpentine					3	D001	A	30	>480	68	<5		
Valeronitrile	Valeronitrile										40.8	1.8		
Vertrel	Vertrel ®								110	10	<10	<10		
VinylAcetate	Vinyl Acetate	3	2	2	N	3	D001	FI	14	>480	6	14	>480	
VinylChloride	Vinyl Chloride	4	2	2	N	2.1	D001, D043	Hood	342	>480		342	>480	
Vinylcyclohexane	Vinylcyclohexane						D001	FI	391.8					
Vinylidene fluoride	Vinylidene fluoride						D001	Hood			<1.2	<1.2		
Vinylidene Chloride	Vinylidene Chloride								4		6	6	>480	
Vinylpyrrolidone	Vinylpyrrolidone							NR		>240				
Xylene	Xylene	3	2	0	N	3	U239, D001, F003	A	<5	>1440	3	1.2	>480	

Alphabetize	Chemical	NFPA 704				DOT Class	Waste Codes	Category	Gloves				Suits	
		Fire	Health	Reactivity	Other				Nitrile	Film	Neoprene	Latex	Tychem (TM) 9400	Saranex
									<14.9 minutes					
									>15 but <179.9 minutes					
									>180 minutes					

Explosive 1.1	1.1
Explosive 1.2	1.2
Explosive 1.3	1.3
Explosive 1.4	1.4
Explosive 1.5	1.5
Explosive 1.6	1.6
Flammable Gas	2.1
Nonflammable Gas	2.2
Poison Gas/Toxic Gas	2.3
Flammable Liquid	3
Flammable Solid	4.1
Spontaneously Combustible	4.2
Dangerous when Wet	4.3
Oxidizer	5.1
Organic Peroxide	5.2
Poison/Toxic	6.1
Infectious Substance	6.2
Radioactive Material	7
Corrosive Material	8
Misc Hazardous Materials	9
None	N

Mixed CHO Compounds	A
Acid - Heavy Metal	Ac-HM
Nitrogenated Hydrocarbons	B
Halogenated Hydrocarbons	C
Corrosive	Co
Corrosive - Acidic	Co-Ac
Corrosive - Basic	Co-Ba
Explosive	Ex
Flammable	Fl
Keep under Fume Hood	Hood
Keep for other uses	Keep
Motor Pool Recycling	MP
None	N
Non-Regulated	NR
Organic Peroxide	OP
Oxidizer	Ox
Poison	P
Poison - Cyanide	P - Cn
Poison - Mercury	P - Hg
Poison - Heavy Metal	P - HM
Water Reactive	WR

Alphabetize	Chemical	NFPA 704				DOT Class	Waste Codes	Category	Gloves				Suits	
		Fire	Health	Reactivity	Other				Nitrile	Film	Neoprene	Latex	Tychem (TM) 9400	Saranex

The permeation times are based on the lowest common denominator of the following sources. Specific manufacturers may have better permeation times. This is

American Conference of Governmental Industrial Hygienists. American Conference of Governmental Industrial Hygienists Guidelines for the Selection of Chemical
 American Trucking Association. Driver's Guide to Hazardous Materials, '96. American Trucking Association.
 Ansell Edmont. Ansell Edmont's® Chemical Application and Recommendation Guide. www.ansell-edmont-ind.com/scripts/ansell/db/alphabet.pl, Oct '98.
 Ansell Edmont. Ansell Edmont® Chemical Resistance Guide, 5th ed., '90.
 ASTM F1001 - Standard Guide for Selection of Chemicals to Evaluate Protective Clothing Materials.
 ASTM F1194 - Standard Guide for Documenting the Results of Chemical Permeation Testing on Materials Used in Protective Clothing.
 ASTM F1383 - Standard Test Method for Resistance of Protective Clothing Materials to Permeation by Liquids or Gases Under Conditions of Intermittent Contact.
 ASTM F1407 - Standard Test Method for Resistance of Chemical Protective Clothing Materials to Liquid Permeation - Permeation Cup Method.
 ASTM F739 - Standard Test Method for Resistance of Protective Clothing Materials to Permeation by Liquids or Gasses Under Conditions of Continuous Contact.
 Best Gloves. Best® Intermittent Chemical Exposure Guide for Best® N-Dex Nitrile Glove, '94.
 Best Gloves. Comprehensive Guide to Chemical-Resistant Best Gloves, Ver 3.1.
 Code of Federal Regulations, Title 49 - Transportation.
 Cox, Doye B., PE CHMM. Handbook on Hazardous Materials Management, 5th ed. © Institute of Hazardous Materials Management, 1995.
 Dickson, T. R. Introduction to Chemistry. © John Wiley Sons, Inc., New York, NY, 1995.
 DuPont®. DuPont® TyFax Data Service TyChem 9400, May '94.
 DuPont®. DuPont® TYVEK® Protective Apparel Information Service. www.dupont.com/tyvek/protective-apparel/Chemical-Data/alpha.htm.
 Fire Protection Guide on Hazardous Materials, 10th ed., '91.
 Fisher Scientific. Fisher Scientific Catalog, '95/'96.
 J. J. Keller & Associates. Hazardous Materials 181, © J. J. Keller & Associates, 1992.
 National Fire Protection Association. NFPA 704 – Standard System for the Identification of the Hazards of Materials for Emergency Response, 1996 Edition.
 Safety 4, Inc. 4H® Chemical Protection Guide, April 1998. Safety 4, Inc.; Lenexa, KS.
 Sorenson, Brenda, Sr. Haz-Mat Tech, Oklahoma State University – Environmental Health and Safety Department.
 TRI / Environmental, Inc. Permeation Test Report J113T01. ©TRI / Environmental, Inc., Sep '97.
 www.inform.umd.edu/CampusInfo/Departments/EnvirSafety/ls/gloves.html, Oct '97.
 www.pp.okstate.edu/ehs/links/atsdr.htm, Nov '97.
 www.safety4.com/guide.htm, Nov '97.

Created by Theron J Becker <beckert@stopdropandroll.com> (Nov 1997)
 Updated by Theron J Becker <beckert@stopdropandroll.com> (Jan 2005)