

ALCOHOLS	CAS #	Risk Code	Degradation Ratings			
			Neoprene	PVC	Sp. PVC	Urethane
Amyl Alcohol (Pentanol)	6884-52-2	X	E	G	E	F
Benzyl Alcohol	100-51-6	Xi	F	NR	NR	E
Butyl Alcohol (Butanol)	71-36-3	X	G	F	G	E
Diacetone Alcohol	112-31-2	Xi	E	F	G	F
Diethanolamine	111-42-2	Xi	E	G	E	F
Ethyl Alcohol (Ethanol)	64-17-5	V	G	NR	NR	E
Ethylene Glycol (Ethanediol)	107-21-1	Xi	E	E	E	G
Glycerol (Glycerine)	56-81-5	NA	E	E	E	E
Methyl Alcohol (Methanol)	67-56-1	T	F	NR	F	E
Octyl Alcohol (Octanol)	29063-28-3	X	F	F	F	E
Propyl Alcohol (Propanol)	71-23-8	X	G	F	F	E
Triethanolamine >70%	102-71-6	Xi	G	G	E	G

ALDEHYDES	CAS #	Risk Code	Degradation Ratings			
			Neoprene	PVC	Sp. PVC	Urethane
Acetaldehyde (Ethanal)	75-07-0	Xi	NR	NR	NR	NR
Benzaldehyde (Benzamine)	100-52-7	X	NR	NR	NR	NR
Butyraldehyde	123-72-8	Xi	NR	NR	NR	NR
Formaldehyde - 30%-70%	50-00-0	T,S,Cg	F	NR	F	NR
Furfural	98-01-1	T	NR	NR	NR	NR

HYDROCARBONS (OILS)	CAS #	Risk Code	Degradation Ratings			
			Neoprene	PVC	Sp. PVC	Urethane
Castor Oil		NA	G	NR	G	G
Coconut Oil		NA	E	G	G	E
Cottonseed Oil		NA	G	NR	NR	E
Cutting Oil (sulfur base)		NA	G	NR	G	E
Crude Oil	5/9/02	X	E	F	G	E
Grease - Pet Base		NA	E	NR	NR	E
Linseed Oil		NA	G	NR	NR	E
Mineral Oil		NA	G	NR	G	E
Olive Oil		NA	G	NR	NR	E
Pine Oil		NA	NR	NR	F	E
Soybean Oil		NA	F	NR	F	G
Shale Oil	68308-34-9	NA	F	F	F	E

HYDROCARBON (SOLVENTS)	CAS #	Risk Code	Degradation Ratings			
			Neoprene	PVC	Sp. PVC	Urethane
Benzene (Benzol)	71-43-2	T, Cg	NR	NR	NR	E
Benzyl Chloride	100-44-7	T	NR	NR	NR	E
Butane	106-97-8	NA	F	NR	NR	G
Carbon Tetrachloride	56-23-5	T	NR	NR	NR	E
Chloroform (Trichloromethane)	67-66-3	X,Cg	NR	NR	NR	E
Cyclohexane	110-82-7	V	NR	NR	NR	E
Diesel Fuel	68474-34-6	X	F	NR	F	E
Gasohol	8006-61-9	X	NR	NR	NR	E
Gasoline (unleaded)	8006-61-9	X	NR	NR	NR	E
Hexane (Butylethylene)	110-54-3	X	NR	NR	NR	E
Kerosene	8008-20-6	X	G	F	G	E
Jet Fuel		X	F	NR	NR	E
Methyl glycol (2-Methoxyethanol)	109-86-4	X	NR	NR	NR	F
Methyl Chloride (Chloromethane)	96-34-4	T	NR	NR	NR	E
Naptha (Mineral Spirits)	8052-41-3	X	F	NR	F	E
Nitrobenzene	98-95-3	T	NR	NR	NR	F
Perchloroethylene (Tetrachloroethylene)	127-18-4	X	NR	NR	NR	F
Petroleum ethers	8032-32-4	V	NR	NR	NR	F
Propane	74-98-6	NA	G	F	G	G
Toluene (Methylbenzene)	108-88-3	X	NR	NR	NR	E
Trichloroethylene	79-01-6	X	NR	NR	NR	E
Trimethylamine	75-50-3	X, C	F	NR	F	NT
Turpentine	8006-64-2	X	NR	NR	NR	E
Xylene (Dimethyl benzene)	1330-20-7	X	NR	NR	NR	E

INORGANIC ACIDS	CAS #	Risk Code	Degradation Ratings			
			Neoprene	PVC	Sp. PVC	Urethane
Carbonic Acid		NA	E	E	E	E
Hydrobromic Acid	10035-10-6	C	G	F	G	NR
Hydrochloric Acid - 37%	7647-01-0	C	E	G	G	G
Hydrochloric Acid - <30%	7647-01-0	C	E	G	G	G
Hydrofluoric Acid Conc. 30-70%	7664-39-3	Tx, Cx	NR	F	G	G
Hydrogen Sulfide	64/83	Tx	G	G	G	NR
Nitric Acid - Conc. 30%-70%	7697-37-2	Cx	G	F	F	NR
Nitric Acid - 10%	7697-37-2	Xi	E	G	E	NR
Perchloric Acid 30%-70%	7601-90-3	Cx	E	G	E	NR
Phosphoric Acid 86%	7664-38-2	C	E	G	E	G
Sulfuric Acid 93%	7664-93-9	Cx	F	NR	F	G
Sulfuric Acid - <30%	7664-93-9	C	E	G	E	G

KETONES	CAS #	Risk Code	Degradation Ratings			
			Neoprene	PVC	Sp. PVC	Urethane
Acetone	67-64-1	V	F	NR	F	G
Chloroacetone	78-95-5	T	G	NR	NR	G
Methyl Ethyl Ketone	78-93-3	V	NR	NR	NR	G

ORGANIC ACIDS	CAS #	Risk Code	Degradation Ratings			
			Neoprene	PVC	Sp. PVC	Urethane
Acetic Acid	64-19-7	Cx	G	NR	F	G
Carbolic Acid (Phenol) 70%	108-95-2	T, C	F	NR	NR	G
Citric Acid - 30%-70%	77-92-9		E	E	E	G
Formic Acid (Methanoic acid)	64-18-6	Cx	G	F	G	NR
Lactic Acid >70%	50-21-5	C	E	E	E	G
Maleic Acid	110-16-7	Xi	E	F	G	G
Oleic Acid	112-80-1		F	F	F	E
Tannic Acid	1401-55-4	T, Cg	E	G	E	E

ORGANIC ESTERS	CAS #	Risk Code	Degradation Ratings			
			Neoprene	PVC	Sp. PVC	Urethane
Butyl Acetate	123-86-4	V	NR	NR	NR	G
Dibutyl Phthalate	84-74-2	Xi	F	NR	NR	F
Ethyl Acetate	141-78-6	V	NR	NR	NR	G
Methyl Acetate	79-20-9	X	NR	NR	NR	G
Pentyl acetate (amylacetate)	628-63-7	V	NR	NR	NR	G
Propyl Acetate	109-60-4	V	NR	NR	NR	G
Tricresyl Phosphate	95-95-4	T	G	G	E	F

SALTS AND ALKALIES	CAS #	Risk Code	Degradation Ratings			
			Neoprene	PVC	Sp. PVC	Urethane
Ammonium Hydroxide 30%-70%	1336-21-6	C	G	NR	F	NR
Ammonium Sulfate	7783-20-2	T	E	G	E	G
Calcium Chloride Cryst. Del.	10035-04-8	X	E	E	E	E
Calcium Hypochlorite Cryst. Sol.	7778-54-3	T, Xi	F	G	E	F
Copper Chloride	7447-39-4	T	E	E	E	G
Copper Sulfate - Cryst.	7758-99-8	T, Xi	E	F	G	G
Ferric Chloride	7705-08-0	C	E	E	E	E
Potassium chromate	7789-00-6	Xi	E	G	G	G
Sodium Hydroxide >70%	1310-73-2	Cx	E	E	E	G
Sodium Hypochlorite 30%-70%	7681-52-9	C	E	E	E	G

MISCELLANEOUS	CAS #	Risk Code	Degradation Ratings			
			Neoprene	PVC	Sp. PVC	Urethane
Acetonitrile (Methyl cyanide)	75-05-8	T	NR	NR	NR	NT
Acrylonitrile	107-13-1	T, Cg	NR	NR	NR	NR
Ammonia (aqueous)	7664-41-7	T, C	F	NR	F	G
Aniline (Phenylamine)	62-53-8	T	NR	NR	NR	NR
Battery Acid	7664-93-9	C	E	G	E	NR
Blood NA	20-05-7		G	F	F	F
Carbon Disulfide	75-15-0	T	NR	NR	NR	NR
Cyclohexylamine	108-91-8	C, X	NR	NR	NR	NT
Dibutylamine	111-92-2	C, X	F	NR	F	NR
Dichloromethane	111-44-4	T, Cg	F	F	F	NT
Dicyclohexylamine	101-83-7	C, X	F	NR	F	NT
Diethylamine	685-91-6	X	F	F	F	NT
Diisobutylamine	110-96-3	X	F	NR	F	NT
Diisopropylamine	108-18-9	C, X	F	NR	F	NT
Dimethyl Formamide	68-12-2	X	F	F	F	NT
Dimethylamine	124-4	C, X	G	NR	F	NT
Dipropylamine	142-84-7	C, X	F	NR	F	NT
Ethyl Ether (diethyl ether)	60-29-7	X	G	NR	NR	G
Ethylamine (Monoethylamine)	75-04-7	C, X	F	NR	F	G
Hydrogen Peroxide 30%-70%	7722-84-1	C	F	G	G	NR
Isobutylamine	78-81-9	C	F	F	F	NT
Isopropanol (Isopropyl alcohol)	67-63-0	V	G	F	F	NT
Isopropylamine	75-31-0	C, X	F	NR	F	NT
Methylamine	74-89-5	C, X	F	F	F	NT
Methylbutylamine			F	NR	F	NT
Nitrobenzene	98-95-3	T	F	NR	F	NT
Paint Remover (Acet-Alcoh-MC)		Xi	F	NR	NR	NR
Propylamine	107-10-8	Xi	F	NR	F	NT
Soaps			G	G	E	F
Tetrahydrofuran	109-99-9	X	F	NR	F	NT
Tributylamine	102-82-9	X	F	F	F	NT
Triethylamine	121-44-8	C, X	F	F	F	NT
Tripropylamine	102-69-2	C, X	E	F	F	NT

Key to Degradation Ratings: E = Excellent; G = Good; F = Fair; P = Poor; NR = Not Recommended; NT = Not Tested

RISK CODES RATINGS: Tx = HIGHLY TOXIC; X = HAZARDOUS TO HEALTH (LESS TOXIC); T = TOXIC; Xi = IRRITANT; Cx = HIGHLY CORROSIVE; S = SENSITIZATION; C = CORROSIVE; V = POTENTIALLY HARMFUL; Cg = POTENTIAL CARCINOGEN; NA = NOT ASSIGNED

This chart is intended to be used only as a guideline. It is the responsibility of the user to determine the specific suitability of any particular product used against any chemical. Please contact NASCO at (800) 767-4288 to obtain material swatches for verification of material appropriateness.