ELITE INDUSTRIAL / TECHNICAL HANDBOOK

CHEMICAL COMPATIBILITY

HOSE MATERIALS | INDUSTRIAL APPLICATIONS

RATING KEY

E	G	C	X	—
Excellent	Good	Conditional	Unsatisfactory	Not rated

IMPORTANT — GENERAL REFERENCE ONLY

These ratings were extracted from a third-party chemical resistance reference and have not been independently verified.

Compatibility depends on chemical concentration, temperature, pressure, exposure time and actual hose construction.

Confirm suitability with the hose, seal and fitting manufacturers and obtain engineering approval before use.

Blank entries mean no rating was given, not that the chemical is compatible. Do not rely on this guide alone for hazardous service.

CHEMICALS 1–52 OF 976

CHEMICAL / MATERIAL	BUTYL	EPDM	CSM	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	PTFE	UHMWPE	FKM	XLPE
1 UNDECANOL	E		E	E		E			E		G	E
1,4-DIOXANE	G	G	X	X	X	X	E	X	E		X	E
1-AMINO-2-PROPANOL	E		C	G		G			E		X	
1-AMINOBUTANE	X	C	C	X	X	C		X	E		X	
1-AMINOPENTANE	G	X	G	G	X	C			E		X	
1-BROMO-2 METHYL PROPANE	X		X	X	X	X			E		G	
1-BROMO-3 METHYL BUTANE	X	X	X	X	X	X			E		G	
1-BROMOBUTANE	X		X	X		X			E		G	
1-CHLORO-2-METHYL PROPANE	X		X	X		X			E		G	
1-CHLORO-3-METHYL BUTANE	C	X	X	X	X	X	E		E		E	
1-DECANOL	C		E	C	X	E			E		G	E
1-HENDACONAL												
2 (2AMINOETHYLAMINO) ETHANOL	E		G	G		G						
2 (2ETHOXYETHOXY) ETHANOL	E	G	G	C	C	G	E	G	E		G	
2 (2ETHOXYETHOXY) ETHYL ACETATE	G	X	G	X	X	C		X	E		G	
2,4-DI-SEC-PENTYLPHENOL												
2-AMINOETHANOL	E	G	G	G	G	G			E		X	
2-CHLORO-1-HYDROXY-BENZENE												
2-CHLOROPHENOL	G	X	C	X	X	X	X	X	E		E	G
2-CHLOROPROPANE	X	X	X	X	X	X	X	X	E		E	E
2-ETHOXYETHANOL	G	G	C	C	C	G		X	E		C	
2-ETHOXYETHYL ACETATE	G	G	X	X	X	X	G	X	E		X	
2-ETHYL (BUTYRALDEHYDE)	G		X	X		X			E		X	E
2-ETHYL-1-HEXANOL	E	E	E	E	E	E		E	E		E	E
2-ETHYLHEXANOIC ACID	C		G	C		C			E			
2-ETHYLHEXYL ACETATE	E		E	X		X			E		X	
2-OCTANONE	G		X	X		X			E		X	
3-BROMOPROPENE	X		X	X	X	X			E		G	
3-CHLORO-2-METHYL PROPANE												
3-CHLOROPROPENE	C	X	X	X	X	G		E	E		G	
4-HYDROXY-4-METHYL-2-PENTANONE	E	E	C	C	C	X	G	C	E		X	
ACETALDEHYDE	E	E	C		X	X	E	X	E	G		E
ACETAMIDE		E			G					E	E	
ACETIC ACID, GLACIAL	G	G	C	X	X	G	X	C	E	E	X	E
ACETIC ACID 10 %	E	E	E			X	E		E	E	E	E
ACETIC ACID 30 %		E			G					E	G	
ACETIC ACID 50 %	E	E	E	X	C	C	C	X	G	E	G	G
ACETIC ANHYDRIDE	G	G	E	C	G	X	X	X	E	G	X	E
ACETIC OXIDE	G		E	X					E		X	E
ACETONE	E	E	X	C	X	X	E	C	E	E	X	E
ACETONE CYANOHYDRIN	E		C	C		X			E	G	X	E
ACETONITRILE	E	E	G		E	C			E			
ACETOPHENONE	G	E	X	X	X	X		X		X	X	X
ACETYL ACETONE	E	E	X	X	X	X		X	E	E	X	E
ACETYL CHLORIDE	X	C			X	X	X	X	E	G	G	G
ACETYL OXIDE	E	G	X	C		X			E	E	X	E
ACETYLENE	E	E	C	G	E	E	E	C	E	E	E	E
ACETYLENE DICHLORIDE	C	C	X	X	X	X			E		G	
ACETYLENE TETRACHLORIDE	X	X	X	X	X	X			E		E	
ACROLEIN	E	E	G	G	C	C		C	E	X		E
ACRYLIC ACID												
ACRYLONITRILE	X	X	C	C			E	C	E	C		C

E Excellent G Good C Conditional X Unsatisfactory Blank No rating • Reference only: verify for your actual application.

CHEMICALS 53–104 OF 976

CHEMICAL / MATERIAL	BUTYL	EPDM	CSM	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	PTFE	UHMWPE	FKM	XLPE
ADIPIC ACID		E		E	E	E			E		E	
AIR +149 °C (+300 °F)	G	G	G	X	G	G		X		X		
ALK-TRI	X		X	X		X			E		E	E
ALLYL ALCOHOL	E	E	E	E	E	E			E	E	G	E
ALLYL BROMIDE	X		X	X					E	G	G	G
ALLYL CHLORIDE			X	X		G		G	E	G	G	G
ALUM	E	E	E	E	E	E	G		E	E	E	E
ALUMINUM ACETATE (AQ)	G	E		E	G	G		X	E	E	X	E
ALUMINUM CHLORIDE (AQ) 40 %	G			E	E	G	X			E		E
ALUMINUM FLUORIDE	E	E	E	E	E	E	G	E	E	E	E	E
ALUMINUM FORMATE	G		X	X					E	E	E	
ALUMINUM HYDROXIDE	E	E	G	E	E	E	G	G	E	E		
ALUMINUM NITRATE (AQ)	E	E	E	E	E	E		E	E	E	E	E
ALUMINIUM PHOSPATE		E			E						E	
ALUMINUM SULFATE (AQ)		E	E	G	E	E	E	E	E	E	G	E
ALUMS-NH3-CR-K			E		E	E	E	C		E	G	
AMINES – MIXED			G	G	G		X				X	X
AMINO XYLENE			C									C
AMINOBENZENE		G						C				
AMINODIMETHYLBENZENE		C								E		
AMINOETHANE			E		C	X	X			E	X	X
AMMONIA LIQUID			E			E						
AMMONIUM ANHYDROUS			E			E						
AMMONIUM CARBONATE (AQ)			E		E	E	G	G		E	E	E
AMMONIUM CHLORIDE (AQ)		G	E	E	E	E	G		E	E	G	E
AMMONIUM HYDROXIDE		E	E							E	X	E
AMMONIUM NITRATE (AQ)		G	E	G	E	E	E	G		E	E	E
AMMONIUM PHOSPHATE, DIBASIC		E	E		E	E	E	E		E		E
AMMONIUM SULPHATE (AQ)		E	E	G	E	E	E	G		E	E	E
AMMONIUM SULPHITE			E		E	E	E			E		E
AMMONIUM THIOSULPHATE			E		E	E	E			E		E
AMYL ACETATE			E	C	X	X	X	G	X	E	X	
AMYL ACETONE					X					E		X
AMYL ALCOHOL		E	E	E	E	E	G	E	E	E	X	E
AMYL AMINE					C		C			E		
AMYL BROMIDE										E		G
AMYL CHLORIDE		C	X		X	X		E		E	C	E
AMYL ETHER							C			E		
ANETHOL		X			X			G		E		G
ANILINE		G	G	X	X	X	X	C		E	X	C
ANILINE DYES			G		G	C	X	X		E	X	C
ANILINE OIL		G	C							E	X	C
ANIMAL FATS			E	G		G	E	E	E	E	C	E
ANTIMONY CHLORIDES			E			X	G			E		E
AQUA REGIA			G		X	X	X			E	X	E
ARGON			E	E	X	X	E	E		E	E	E
AROMATIC HYDROCARBONS												E
ARSENIC ACID		E	E		G	E	E	G		G	C	E
ASPHALT			X	C	X	X	X	E	E	E	G	E
ASTM FUEL A		E	X	E	X	G	E	E	X	E	G	E
ASTM FUEL B		G	X	E	X	X	X	E	X	E	G	E
ASTM FUEL C		C	X	E	X	X		E	X	E		

E Excellent G Good C Conditional X Unsatisfactory Blank No rating • Reference only: verify for your actual application.

CHEMICALS 105–156 OF 976

CHEMICAL / MATERIAL	BUTYL	EPDM	CSM	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	PTFE	UHMWPE	FKM	XLPE
ASTM OIL NO. 2		E	X	E	X	G	E	E	X	E	G	E
ASTM OIL NO. 3			X	E	X	C	E	E	X	E	E	E
ASTM OIL NO. 4			X		X	X	G				X	E
ASTM OIL NO. 1		E	X	E	X	E	E	E	X	E	E	E
AUTOMATIC TRANSMISSION FLUID			X	E	X	G	E	G	X	E	G	E
BANANA OIL			G				X			E		
BARIUM CHLORIDE (AQ)		G	E	G	E	E	E	G		E	E	E
BARIUM HYDROXIDE (AQ)		G	E	G	E	E	E	G		E	E	E
BARIUM SULFIDE (AQ)			E		E	E	E			E	E	E
BEER			E		E	G	E			E		E
BEET SUGAR LIQUORS		G	E	G	E	G	E	E		E	X	E
BENZAL CHLORIDE										E		
BENZALDEHYDE			E	G	X	X	X	E	X	E	X	X
BENZENE		C	X	C	X	X	X	G	X	E	X	G
BENZENE CARBOXYLIC ACID						E	X			E		E
BENZINE			X		X	C	C	G		E	C	E
BENZOIC ACID					X	E	X	E		E		E
BENZOL		C	X	C			X	G		E		G
BENZOTRICHLORIDE										E		
BENZYL ACETATE					X					E		X
BENZYL ALCOHOL			G	C	X	X	X	C	X	E	X	E
BENZYL CHLORIDE		X	X		X	X	X			E		E
BENZYL ETHER			C		X	X	X			E	G	X
BIS (2-CLOROETHYL) ETHER					X		X			E		
BLACK SULFATE LIQUOR		C	G	G	G	G	G	C		E	X	E
BLEACH (2 – 15 %)			E	G	X	X	X	C		E	X	E
BORAX SOLUTION		G	E	E	G	E	G	G		E	E	E
BORIC ACID			E	E	E	E	E	G	E	E	E	E
BRAKE FLUID (HD-557) 12 DAYS	G	E	G		G	C	E	E	E		X	
BRINE	E	E	E	E	G	E	G		E	E	E	E
BROMACIL		E										
BROMOBENZENE	X	X	X	X	X	X		X	E	C	E	C
BROMOCHLOROMETHANE	X	G	X	X	X	X			E		C	
BROMOETHANE	X	X	X	C	X	G		X	E		E	
BROMOTOLUENE	X		X	X				X	E		G	
BUGDIOXANE												E
BUNKER OIL	X	X	X	X	X	E		X	E	E	E	E
BUTADIENE	X	X	X	X	X	X		X	E	E	G	E
BUTANE	X	X	X	X	C	E	E	X	E	E	E	E
BUTANOIC ACID		G	C						E		G	
BUTANOL (BUTYL ALCOHOL)	G	G	E	E	E	E	G	E	E	E	E	E
BUTANONE	E	E	X			X	G		G	E		E
BUTOXYETHANOL	E	E	X	X	X	C			E			
BUTYL ACETATE	X	X	X	X	X	X	G	X	X	E	X	E
BUTYL ACRYLATE	X	X	X	X	X	X			E	G	X	G
BUTYL ALCOHOL	G	G	E	E	E	E	G	E	E	E	E	E
BUTYL ALDEHYDE	G	G	C		C				E	E	X	E
BUTYL BENZYL PHTHALATE	E		X	X				X	E	E	C	E
BUTYL CARBITOL	E	E	X	X	C	X		X	E	E	C	C
BUTYL CELLOSOLVE	E	G	X	X	X	C		X	E	E	X	E
BUTYL CHLORIDE	C		X	X					E	C	E	G
BUTYL ETHER	X	X	X	X	X	X		X	E	E	X	E

E Excellent G Good C Conditional X Unsatisfactory Blank No rating • Reference only: verify for your actual application.

CHEMICALS 157–208 OF 976

CHEMICAL / MATERIAL	BUTYL	EPDM	CSM	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	PTFE	UHMWPE	FKM	XLPE
BUTYL ETHER ACETALDEHYDE	G		X	X			X		E	E	X	E
BUTYL ETHYL ETHER	X		X	X		G			E	E		E
BUTYL OLEATE	G	G	X	X	X	X		X	E		E	
BUTYL PHTHALATE	G	E	X	X				X	E		C	E
BUTYL STEARATE	X	X	X	X	X	G		X	E	E	E	E
BUTYLENE	X	X	X	X	C	E	G	X	E		E	
BUTYRALDEHYDE	G	C		X	X	X		X		E	X	E
BUTYRIC ACID	G	G	C	X	X	X		X	E	E	G	
BUTYRIC ANHYDRIDE	C		G	C		C			E			E
CADMIUM ACETATE	E		E	X					E	E		E
CALCIUM ACETATE	E		C	E	G	G		X	E	E	X	E
CALCIUM ALUMINATE	E		E	E		E			E		E	E
CALCIUM BICHROMATE	E		C						E			G
CALCIUM BISULFIDE		X			C	E	G	G	E		E	
CALCIUM CHLORATE		E			E					E	E	
CALCIUM CHLORIDE	E	E	E	E	E	E	E	E	E	E	E	E
CALCIUM HYDROXIDE	E	E	G	E	E	E	E	E	E	E	E	E
CALCIUM HYPOCHLORITE	E	E	E	X	C	X	X	X	E	C	E	C
CALCIUM NITRATE	E	E	E	E	E	E	E	E	E	E	E	E
CALCIUM SULFIDE	E	E	E	X	E	E	E	X	E	E	E	E
CAPRILIC ACID	C		G	C		C			E	E		E
CARBAMIDE	G		E	E	G	G			E			
CARBITOL	E	G	G	X	C	G	E	G	E	E	G	E
CARBOLIC ACID (PHENOL)	G	X	X	X	X	X	X	X	E	E	E	E
CARBON DIOXIDE	G	G	G	G	G	E	E	G	E	E	G	E
CARBON DISULFIDE	X	X	X	X	X	X	X	X	E	E	X	C
CARBON MONOXIDE	E	E	E	C	E	E	E	G	E	E	E	E
CARBON TETRACHLORIDE	X	X	X	X	X	C	X	X	E	G	E	E
CARBON TETRAFLUORIDE		G										
CARBONIC ACID	E	E	E	E	G	G	G	G	E		G	E
CASTOR OIL	G	G	E	E	E	E	G	E	E	E	E	E
CAUSTIC SODA (SEE SODIUM HYDROXIDE)	E	E			E		G		E		G	
CELLOSOLVE ACETATE	G	G	X	X	X	X	G	X	E	E	X	E
CELLUGUARD	E	E	X	E	E	E	G	E	E		E	
CELLULOSE ACETATE					X						C	
CETYLIC ACID	G	G	C	E	G	E	C		E		E	
CHINA WOOD OIL (TUNG OIL)	X	X	E	X	E	E	G	X	E		E	
CHLORDANE	X	X	C	X	C	G	G	X			E	
CHLORINATED SOLVENTS	X	X	X	X	X	X	X	X	E		E	G
CHLORINE GAS (DRY)					C					C	E	
CHLORINE WATER SOLUTION (MAX. 3 %) + G108										E		
CHLORO-2-PROPANONE	X	E	X	X	C	X		X	E		X	
CHLOROACETIC ACID			G	X	X	X	X	X	X	E	X	G
CHLOROACETONE			E		X	C	X			E	X	X
CHLOROBENZENE, MONO, DI, TRI			X	X	X	X	X	E	X	E	X	E
CHLOROBUTANE					X		X			E	C	E
CHLOROETHYLBENZENE		X	X		X					E	G	E
CHLOROFORM		X	X	X	X	X	X	X	X	E	X	G
CHLOROPENTANE					X					E		E
CHLOROPHENOL												G
CHLOROSULFONIC ACID		X	X	X	X	X	X	X	X	E	X	X
CHLOROTOLUENE			X		X	X	X			E	X	E

E Excellent G Good C Conditional X Unsatisfactory Blank No rating • Reference only: verify for your actual application.

CHEMICALS 209–260 OF 976

CHEMICAL / MATERIAL	BUTYL	EPDM	CSM	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	PTFE	UHMWPE	FKM	XLPE
CHLOROX			G		X	G	G			E	X	E
CHROME PLATING SOLUTIONS			X		X	X	X			E	X	E
CHROMIC ACID		X	X	X	X	X	X	X	X	E	X	E
CHROMIUM TRIOXIDE		X	X	X	X	X	X	X	X	E	X	E
CINNAMENE			X	X	X	X	X			E	C	G
CIS-9-OCTADECENOIC ACID		X	C	E	X	C	E	E		E	G	E
CITRIC ACID		X	E	G	E	E	E	G	E	E	E	C
COAL OIL			X		X	G	E	E	X	E	C	E
COAL TAR			X	X	X	C	G		X	E	C	E
COAL TAR NAPHTHA			X		X		X			E	X	E
COCONUT OIL			G		X	C	E			E	C	E
COKE OVEN GAS			X		X	X	X	E		C	X	E
COOLANOL (MONSANTO)			X	X	X	G	E				X	E
COPPER CHLORIDE		X	E	E	G	G	E	C		E	G	E
COPPER CYANIDE			E		E	E	E	G		E	E	E
COPPER HYDRATE					C		G			E		C
COPPER HYDROXIDE					C		G			E		C
COPPER NITRATE			E			E						E
COPPER SULFATE		X	E	E	G	E	E	G		E	G	E
CORN OIL			X	E	X	C	E	G	E	E	E	E
COTTONSEED OIL		G	C	E	X	C	G	E		E	E	E
CREOSOTE			X		X	X	G	X		E	C	E
CRESOLS			X	X	X	X	X	X	X	E	X	E
CRESYLIC ACID			X		X	X	X			E	X	G
CROTONALDEHYDE			E		X	X	X			E	X	X
CRUDE OIL			X			X	G	E		E	G	E
CUMENE			X		X	X	X			E	X	E
CUPRIC CARBONATE					C	E	E			E		E
CUPRIC HYDROXIDE					C		G			E		C
CUPRIC NITRATE			E		G	E	E			E		E
CUPRIC SULFATE			E		G	E	E			E	X	E
CUTTING OIL			X		X	G	E			E	E	E
CYCLOHEXANE			X	E	X	X	G	G	X	E	G	E
CYCLOHEXANOL			X		X	G	G	G	X	E		E
CYCLOHEXANONE			C		X	X	X	G	X	E	X	X
CYCLOPENTANE			X		X	E	G			E		E
CYCLOPENTANOL					X		G					G
CYCLOPENTANONE					X		X			E		X
CYCLOPENTYL ALCOHOL					X		G					G
DDT IN DEIONIZED KEROSENE			X		X	C	E	E		E	G	E
DECAHYDRONAPTHALENE			X		X	X	X	G	X	E	X	E
DECAHYDROXYNAPTHALENE		C										
DECALIN			X		X	X	X	G	X	E	X	E
DECYL ALCOHOL					X	X	E			E		G
DECYL ALDEHYDE					X					E		X
DECYL BUTYL PHTHALATE					X		X			E		C
DECYL CARBINOL					E		E			E		G
“DETERGENT, WATER SOLUTION”			E	G		G	E			E	G	E
DEVELOPING FLUID (PHOTO)			G	X	E	E	E			E		E
DEXTRON			X		X	G	E				G	E
DI(2ETHYLHEXYL) ADIPATE			G		X	X	X			E		C
DI(2ETHYLHEXYL) PHTHALATE			G	E	X	X	X	E		E	X	G

E Excellent G Good C Conditional X Unsatisfactory Blank No rating • Reference only: verify for your actual application.

ELITE INDUSTRIAL

CHEMICALS 261–312 OF 976

CHEMICAL / MATERIAL	BUTYL	EPDM	CSM	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	PTFE	UHMWPE	FKM	XLPE
DIACETONE ALCOHOL			E	C	X	X	X			E	X	X
DIACETYLMETHANE		G	E		X	X	X		E	E	X	X
DIALLYLPHTHALATE		G										
DIAMMONIUM PHOSPHATE		E	E		E	E	E			E		E
DIAMYL NAPTHALENE	E		X	X					E		C	E
DIAMYL PHENOL	X		X	X		X		X	E		E	E
DIAMYLAMINE	E	E	C	G		G		X	E		X	
DIAMYLENE	X		X	X	X	C	G		E		E	E
DIBENZYL ETHER	G	C	X	X	X	X		X	E	E	X	E
DIBROMOBENZENE	X		X	X					E	G	E	E
DIBROMOMETHANE	X	C	X	X	X	X			E		G	
DIBUTYL ETHER	X	X	X	X	X	X		X	E	E	X	E
DIBUTYL PHTHALATE	C	E	X	X	X	X	E	X	E	E	C	E
DIBUTYL SEBACATE	G	G	X	X	X	X		X	E	E	E	E
DIBUTYLAMINE	X	X	X	X	X	X		X	E	E	X	
DICALCIUM PHOSPHATE	E		E	E		E			E		E	E
DICHLORO DIFLUORO METHANE	X	C	E	X	G	C	G	E	E		G	
DICHLORO ETHYLENE	C	X	X		X		C		E		G	
DICHLOROACETIC ACID	C		X	G					E	E	X	E
DICHLOROBUTANE	X	C	X	X	X	G		X	E	E	E	G
DICHLOROETHANE	C	X	X	X	X	X	C	X	E		G	E
DICHLOROETHYL ETHER	X		X	X		X		X	E			E
DICHLOROFLUOROMETHANE										E	G	
DICHLOROHEXANE	X		X	X					E	E	E	E
DICHLOROMETHANE	X	C	X	X	G	X	C	X	E	E	G	E
DICHLOROPENTANE	X		X	X	X	X		X	E	E	E	E
DICHLOROPROPANE	X		X	X	X	X			E	E	E	E
DICHLOROPROPENE									E	E	E	E
DICHLOROTOLUENE												
DIESEL OIL	X	X	C	X	C	E	E	X	E	E	E	C
DIETHANOLAMINE	E	E	C	G			G	X	E	E		
DIETHYL ETHER	X	X	X	X	X	X	E	X	E		X	
DIETHYL KETONE	G	E	X	X	X				E		X	E
DIETHYL OXALATE	X	X	X	X	X	X			E			E
DIETHYL PHTHALATE	E		X	X					E	E	C	E
DIETHYL SEBACATE	G	G	C	X	X	X		X	E		G	
DIETHYL SULFATE	G	E	X	X	E	X		E	E		X	
DIETHYL TRIAMINE	E		C	G		G			E			
DIETHYLAMINE	G	G	C	G	G	C		G	E	E	X	C
DIETHYLBENZENE	X	X	X	X	X	X		X	E	E	E	E
DIETHYLENE GLYCOL	E	E	E	E	E	E		E	E	E	E	C
DIETHYLENE OXIDE	X	E							E			
DIETHYLENE TRIAMINE	E	E	C	G				X	E	E		
DIHYDROXY DIETHYL ETHER	E	E	E	E	E	E			E		E	
DIHYDROXY SUCCINIC ACID	G	G	E	E	C	G			E		E	
DIISOBUTYL KETONE	G	E	X	X	X	X		X	E	E	X	E
DIISOBUTYLENE	X	X	X	X	C	E		X	E		E	E
DIISODECTYL PHTHALATE	E	E	X	X				X	E	E	C	E
DIISODECYL PHTHALATE	E	E	X	X	X	X			E		C	
DIISOOCTYL ADIPATE	E		X	X		X		X	E	E	C	E
DIISOOCTYL PHTHALATE	E	G	X	X					E	E	C	E
DIISOPROPANOLAMINE	E		C	G		G			E			

E Excellent G Good C Conditional X Unsatisfactory Blank No rating • Reference only: verify for your actual application.

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CHEMICAL / MATERIAL	BUTYL	EPDM	CSM	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	PTFE	UHMWPE	FKM	XLPE
DIISOPROPYL ETHER	X	X	C	X	X	G		X	E		X	E
DIISOPROPYL KETONE	E	E	X	X	X	X		X	E		X	E
DIMETHYL PHTHALATE	G	G	X	X	X	X		X	E	E	E	E
DIMETHYL SULFATE	G		X			X			E	E	X	
DIMETHYL SULFIDE	C			X		X			E			
DIMETHYLAMINE	G	X	X		X	X			E	E	X	E
DIMETHYLANILINE	X	G	X		X	X		X	E	G	X	G
DIMETHYLBENZENE	X	X	X		X	X	G	X	X	E	E	
DIMETHYLBUTANE												
DIMETHYLCARBINOL	E	G	E	E	E	G			E	E	E	
DIMETHYLFORMAMIDE		G								E	X	
DIMETHYLKETONE	E	E	X		X	X	E	C	E	E	X	
DIOCTYL ADIPATE	E	G	X	X	X	X			E	E	C	
DIOCTYL PHTHALATE	G	G	X	X	X	X	E	X	E	E	G	E
DIOXALANES	X	G	X	X	X	X		X	E	E	X	E
DIOXANE	G	G	X	X	X	X	E	X	E	E	X	E
DIPENTENE	X	X	X	X	X	G		X	E		E	
DIPENTYLAMINE	E	E	C	G		G		X	E		X	
DI-P-MENTHA-1,8-DIENE			X		X	X	G			E	X	E
DIPROPYLAMINE					G		G			E		
DIPROPYLENE GLYCOL					E		E			E		E
DISODIUM PHOSPHATE			E		E		E			E	E	E
DIVINYL BENZENE					X					E		E
DOWELL INHIBITOR		G										
DOWFAX 2A1 SOLVENT		E										
DOWFAX 2A1 TA		E										
DOWFAX 6A1 SOLVENT		G										
DOWFAX 6A1 TA		E										
“DOWTHERM, A AND E”		X	X	G	X	X	X	X		C	X	E
DRY CLEANING FLUIDS			X			X	C			E	X	E
DUCGKIRIOEBAANE												
DURO AW16, 31			X				E	E		E		
DURO FR-HD			X				E	E		E		
EHTYL BUTYL ACETATE					X		X			E		X
EHTYL DICHLORIDE			C		X	X	X			E	X	G
EHTYLENE DIBROMIDE			C		X	X	X			E	X	G
EPICHLOROHYDRIN			C									
ETHANOIC ACID		E	E	C	X	G	C	C	C	E	X	X
ETHANOL (GRAIN ALCOHOL)		G	E	E	E	E	E	X	E	E	X	C
ETHANOLAMINE			G		G	G	G			E	C	X
ETHERS		G	C	X	X	X	X	E		E	X	X
ETHYL ACETATE		G	E	C	X	X	X	E	E	E	X	X
ETHYL ACETOACETATE			G		C	X	X			E		X
ETHYL ACETONE			G		X	X	X			E		X
ETHYL ACRYLATE			G		X	X	X			E	X	X
ETHYL ALCOHOL		G	E	E	E	E	E	X	E	E	X	E
ETHYL ALDEHYDE			E		X	X	X			E	C	X
ETHYL ALUMINUM DICHLORIDE					X		X			E		G
ETHYL BENZENE			X		X	X	X			E	X	E
ETHYL BROMIDE			X		C	X	G			E	X	E
ETHYL BUTANOL					E		E			E		G
ETHYL BUTYL KETONE					X		X			E		X

E Excellent G Good C Conditional X Unsatisfactory Blank No rating • Reference only: verify for your actual application.

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CHEMICAL / MATERIAL	BUTYL	EPDM	CSM	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	PTFE	UHMWPE	FKM	XLPE
ETHYL CELLULOSE			G	G	G	G	G	C		E	G	X
ETHYL CHLORIDE		X	E	X	C	X	E	E	X	E	C	E
ETHYL DIISOBUTYLTHIO-CARBAMATE					E							
ETHYL ETHER		G	X		X	X	X	E		E	C	X
ETHYL FORMATE			G		X	G	X			E		E
ETHYL IODIDE			C		X	X	X			E		G
ETHYL OXALATE			C		C	X	X			E	E	E
ETHYL PHTHALATE					X		X			E		
ETHYL SILICATE			E		G	E	E			E	X	E
ETHYLAMINE			E		C	X	X			E	X	X
ETHYLENE												E
ETHYLENE BROMIDE			C									G
ETHYLENE CHLORIDE												G
ETHYLENE CHLOROHYDRIN			G		C	G	X			E		E
ETHYLENE DIAMINE			E		G	E	G			E	X	X
ETHYLENE DIBROMIDE												E
ETHYLENE DICHLORIDE		X	X	X	X	X	X	C	X	E	X	G
ETHYLENE G MONOETHYL E ACETATE			E		C	X	C			E	X	E
ETHYLENE G. MONOBUTYL ETHER			E		X	C	C			E	X	X
ETHYLENE G. MONOHEXYL ETHER												
ETHYLENE G. MONOMETHYL ETHER			G		X	E	C			E		X
ETHYLENE GLYCOL		G	E	E	E	E	E	E	E	E	G	E
ETHYLENE OXIDE		X	C	E	X	X	X	G		E	X	X
FATTY ACIDS			X	G	X	G	E	E	X	E	C	E
FERRIC BROMIDE					E		E			E		E
FERRIC CHLORIDE		X	E	G	E	E	E	C		E	E	E
FERRIC NITRATE			E		E	E	E	E		E	E	E
FERRIC SULFATE		X	E	E	E	E	E	E		E	G	E
FERROUS ACETATE					X		X			E		X
FERROUS CHLORIDE			E	E	E	G	E	E		E	G	E
FERROUS SULFATE			E	E	E	E	E	E		E	E	E
FLOUROSILIC ACID			E		E	E	E		C	E		C
FLUOBORIC ACID	G	E	E	E	E	E		E	E	C	E	C
FLUORINE	X	E	X	X	X	X	X		G	X	E	X
FORMALDEHYDE	E	E	G		G	C	E	C	E	E	E	E
FORMALIN	E	E	G		G	C	E	C	E		E	E
FORMIC ACID	E	E	E	C	E	C	X	E	E	E	X	C
FREON 113	X	X	E	X	E	E	X	G	E		G	
FREON 12	C	C	E	C	E	E	G	E	E		G	
FREON 22	X	E	E	C	E	X	G	E	E		C	
FREON 502	E	E		E	E	G	E	E			G	
FUEL A (ASTM)	X	X	G	X	G	E	E	X	E	G	E	G
FUEL B (ASTM)	X	X	X	X	X	X	E	X	E	G	E	G
FUEL C (ASTM)		X			C					G	E	
FUEL OIL	X	X	C	X	G	E	G	X	E	E	E	E
FURALDEHYDE	E	G	C	X	C	X	C	X	E		X	
FURAN	X	X	X	X	X	X		X	E		C	
FURFURAL	E	G	C	X	C	X	C	X	E	E	X	E
FURFURAN	X	X	X	X	X	X		X	E		C	
FURFURYL ALCOHOL	G	G	X	X	X	X	G	X	E	E	C	E
GALLIC ACID	G	G	G	E	G	G	G	G	E	E	E	C
GALLOTANNIC ACID	G	E	E	E	E	E			E		E	

E Excellent G Good C Conditional X Unsatisfactory Blank No rating • Reference only: verify for your actual application.

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CHEMICAL / MATERIAL	BUTYL	EPDM	CSM	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	PTFE	UHMWPE	FKM	XLPE
GAS, 100 OCTANE	X	X	X	X	C	E	G	X	E	C	E	
GAS, COAL		E			E	X	E				E	
GASOLINE	X	X	X	X	X	E	G	X	E	G	G	G
GLACIAL ACRYLIC ACID												E
GLUCONIC ACID	C		G	X		C			E	E		
GLUCOSE	E	E	E	E	G	E	G	E	E	E	E	E
GLYCERINE	E	E	E	E	E	E	G	E	E		E	C
GLYCEROL	E	E	E	E	E	E	G	E	E		E	
GLYCOGENIC ACID	C		G	X		C			E			
GLYCOLS	E	E	E	E	E	E	G	E	E	E	E	E
GLYCONIC ACID	C		G	X		C			E	E		
GLYCYL ALCOHOL	E	E	E	E	E	E	G	E	E		E	
GREASE, PETROLEUM BASE	X	X	X	X	C	E	E	X	E	E	E	G
GREEN SULFATE LIQUOR	E	E	G	G	G	G	X	G	E	E	E	E
HALON 1211					E	E						
HELIUM	E	E	E	E	E	E	E	E	E		E	
HEPTALDEHYDE	X		X	X		E			E		X	
HEPTANAL	X		X	X		E			E	E	X	E
HEPTANE	X	X	G	X	G	E	E	X	E	E	E	G
HEPTANE CARBOXYLIC ACID	C		G	X		C			E			
HEPTANOIC ACID												
HEPTANONE												
HEXADECANOIC ACID	G	G	C	E	G	E	C		E		E	
HEXALDEHYDE	G	E	C	X	E	X		X	E	E	X	E
HEXANE	X	X	E	X	E	E	E	X	E	G	E	G
HEXANOL	C	G	G	E	G	E		E	E	E	E	E
HEXENE	X	X	G	X	G	G		X	E		E	E
HEXYL ALCOHOL	C	G	G	E	G	G		E	E	E	G	E
HEXYL METHYL KETONE	G		X	X		X			E		X	E
HEXYLAMINE	G		C	C		C			E		X	
HEXYLENE GLYCOL	E	C	E	E	E	E			E		E	
HISTOWAX												
HYDRAULIC OIL, PETROLEUM		X	G	X	G	E	E		E	E	E	E
HYDRAULIC FLUID (PHOSPHATE ESTER BASE)		E			X					X	E	
HYDRAULIC FLUID (POLYALKYLENE GLICOL BASE)		C			G					E	E	
HYDRAZINE	E	E	G	X	G	G	X	G	E		E	
HYDROBROMIC ACID	E	E	E	E	X	X	X	X	E	G	E	C
HYDROCHLORIC ACID	E	C	C	C	C	C	C	X	E	E	G	E
HYDROCYANIC ACID	G	E	E	G	G	G	X	G	E	E	E	
HYDROFLUORIC ACID	G	C	E	C	C	C	X	C	E	E	G	C
HYDROFLUOSILICIC ACID	E	E	E	E	G	G	X	G	E	G	E	C
HYDROGEN CHLORIDE ANHYDROUS												
HYDROGEN DIOXIDE (10 %)	C	G	G	G	X	C			E		E	
HYDROGEN GAS	E	E	E	G	E	E	E	G	E	E	E	E
HYDROGEN PEROXIDE 10 %	G	G	E	G	X	C	G	C	E	G	E	G
HYDROGEN PEROXIDE OVER 10 %	X	C	G	X	X	X	X	X	E	E	E	C
HYDROGEN SULFIDE (WET)		X	E	E	X	E	C	X		E	C	C
HYDROXY BENZENE			C		X	X	X			E	C	E
HYDROXYISOBUTYRONITRILE		E										
HYDROXYTOLUENE		E										
HYVAR XL			E									
IMINODI-2-PROPANOL		E										

E Excellent G Good C Conditional X Unsatisfactory Blank No rating • Reference only: verify for your actual application.

CHEMICALS 469–520 OF 976

CHEMICAL / MATERIAL	BUTYL	EPDM	CSM	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	PTFE	UHMWPE	FKM	XLPE
IMINODIETHANOL		E										
IODINE			G		X	X	G	E		E	X	E
IODINE PENTAFLUORIDE			X		X	X	X			E	X	X
IODOFORM			X		X	X	E					
ISOBUTANAL		G										
ISOBUTANE						X						E
ISOBUTANOL (ISOBUTYL ALCOHOL)			E			E						E
ISOBUTYL ACETATE			C									
ISOBUTYLAMINE					C		X			E		X
ISOBUTYLBROMIDE					X		X			E		G
ISOBUTYLCARBINOL			E		E	E	E			E	C	E
ISOBUTYLENE												E
ISOCYANATES				G			G	G			G	G
ISOOCTANE		E	X	E	X	G	E	E	X	E	G	E
ISOPROPANOL			E			E						E
ISOPROPYL ACETATE			G	C	X	X	X	G		E	X	X
ISOPROPYL ALCOHOL			E	E	E	G	E	E		E	X	E
ISOPROPYL ETHER			X		X	X	G			E	G	X
JET FUELS			X		X	X	E	C	X	E	C	E
JP-4 OIL			X	E	X	X	E	C	X	E	C	E
KEROSENE		G	X	E	X	C	E	E	X	E	G	E
KETONES		G	E	X	C	X	X	E	X	E	X	X
LACQUER SOLVENTS		C	X	C	X	X	X	E		E	X	X
LACTIC ACID – COLD		X	E	X	E	E	E	E		E	G	E
LACTIC ACID – HOT			X	C	X	X	X	X		E		E
LARD			G	G	X	G	E	E	E	E	C	E
LAVENDER OIL			X		X	X	G			E	X	E
LEAD ACETATE			E		E	G	G			E	C	E
LEAD NITRATE			E		E	E	E			E		E
LEAD SULFATE			E	G	E	G	E	G		E		E
LIME			E	G	E	E	E	G		E	G	E
LIME BLEACH			E		E	G	E			E		E
LIME SULFUR, WET			C		C	E	E			E		E
LIMONENE			X		X	X	X			E		E
LINOLEIC ACID			X		X	C	G			E		G
LINSEED OIL		G	C	G	X	E	E	E		E	G	E
LIQUID PETROLEUM GAS						C						E
LIQUID SOAP			E			E						E
LUBRICATING OILS, SAE		G	X	E	X	C	E	E	X	E	E	E
LYE SOLUTIONS		C	E	C	E	E	C	G	C	E	G	G
M E X		C	E	C	X	X	X	E	X	E	X	X
MAGNESIUM ACETATE			E		X	X	X			E	X	X
MAGNESIUM CARBONATE			E			E						E
MAGNESIUM CHLORIDE		G	E	G	E	E	E	E		E	E	E
MAGNESIUM HYDRATE			E		E	G	G			E	E	G
MAGNESIUM HYDROXIDE		G	E	C	E	E	E	E		E	C	E
MAGNESIUM SULFATE		G	E	G	G	E	E	E		E	C	E
MAGNESIUM SULFITE			E		G	E	E					E
MALEIC ACID			E		X	X	C			E	C	E
MALEIC ANHYDRIDE			X		X	X	X			E		E
MALIC ACID			X		E	G	E	E		E		E
MANGANESE SULFATE			E		G	E	E			E	E	E

E Excellent G Good C Conditional X Unsatisfactory Blank No rating • Reference only: verify for your actual application.

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CHEMICAL / MATERIAL	BUTYL	EPDM	CSM	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	PTFE	UHMWPE	FKM	XLPE
MAPP			G			E	E					
MERCURY		G	E	E	E	E	E	E		E	E	E
MERCURY VAPORS			E		C	C	E			E		E
MESITYL OXIDE			G		X	X	X			E	X	X
METHALLYL ALCOHOL					E		E			E		G
METHALLYL CHLORIDE		C										
METHANE			X			G						E
METHANE CARBOXYLIC ACID												
METHANOIC ACID	E	E	E	C	E	C	X	E	E		X	
METHANOL (METHYL ALCOHOL)	E	E	E	E	E	E	G	E	E	E	C	C
METHANOL (WOOD ALCOHOL)	E	E	E	E	E	E	G	E	E	E	C	C
METHOXY ETHANOL												
METHOXYETHOXY ETHANOL												
METHYL 1-2, 4-PENTANEDIOL												
METHYL ACETATE	G	G	C	X	C	X	E	X	E	E	X	E
METHYL ACETOACETATE	G	G	X	X	X	X			E		X	E
METHYL ACETONE	G	E	X	C	X	X			E	E	X	
METHYL ACETYLENE PROPADIENE		G			E	E		G				
METHYL ACRYLATE		G										
METHYL ACRYLATE STAB.		G										
METHYL ALCOHOL	E	E	E	E	E	E	G	E	E	E	C	E
METHYL ALLYL ALCOHOL	E		E	E		E			E		G	
METHYL ALLYL CHLORIDE			X	X				X				G
METHYL AMYL CARBINOL	E		E	E		E			E		G	E
METHYL BENZENE	X	X	X	X	X	X	E	X	E		E	E
METHYL BROMIDE	C	C	X	X	X	G	G	X	E	G	E	G
METHYL BUTANE	X	X	X		X	E			E		E	
METHYL BUTANOL	E	E	E	E	E	E	E	G	E		E	
METHYL BUTYL KETONE	E	E	X	X	X	X		X	E	E	X	
METHYL CARBITOL	E		E	X		C			E			E
METHYL CELLOSOLVE	G	G	C	X	G	C		X	E	E	X	E
METHYL CHLORIDE	X	X	X	X	X	X	C	X	E	E	E	G
METHYL CYANIDE	E	E	G	G	E	C			E		X	
METHYL ETHYL KETONE	E	E	X	X	X	X	G	X	E	E	X	E
METHYL HEXANOL	E		E	E		E			E	E	G	E
METHYL ISOAMYL KETONE												
METHYL ISOBUTYL KETONE (MIBK)		G								G		
METHYL METHACRYLATE	C	X	X	X	X	X	C	X	E	G	X	G
METHYL NORMAL AMYL KETONE	G		X	X		X			E		X	E
METHYL PROPYL ETHER	X		G	X		X			E			E
METHYL SALICYLATE	G	C		X	X	X			E		G	
METHYL STYRENE												
METHYL SULFIDE	C		X	X		X			E			
METHYL TERTIARY BUTYL ETHER	G				X	X		X	G	G	X	
METHYL-1-PROPANOL	E	E	E	E	E	G		E	E		E	
METHYL-2-BUTANOL	E		E	E				E				E
METHYL-2-BUTANONE	G	C	X	X	X	X	E	X	E		X	E
METHYL-2-HEXANONE	G		X	X				X			X	E
METHYL-2-PENTANOL	E	E	E	G	E	G			E		C	
METHYL-2-PENTANONE	C	G	X	X	X	X	G	X	E		X	
METHYL-2-PROPEN-1-OL	E	E	E	G	E	G			E		C	
METHYL-3-PENTEN-1-ONE												

E Excellent G Good C Conditional X Unsatisfactory Blank No rating • Reference only: verify for your actual application.

CHEMICALS 573–624 OF 976

CHEMICAL / MATERIAL	BUTYL	EPDM	CSM	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	PTFE	UHMWPE	FKM	XLPE
METHYL-4-ISOPROPYL BENZENE												
METHYLALLYL ACETATE	E		G	X		X			E		X	E
METHYLAMYL ALCOHOL	E	E	E	G	E	G			E		C	E
METHYLCYCLOHEXANE	X		X	X		X			E		G	G
METHYLENE BROMIDE	X	X	X	X	X	X			E	G	C	
METHYLENE CHLORIDE	X	C	X	X	X	X	C	X	E	E	G	C
METHYLETHYL KETONE	E	E	X	X	X	X	G	X	E	E	X	E
METHYLHEXYL KETONE	G		X	X		X			E		X	E
METHYLISOBUTYL CARBINOL	E	E	E	G	E	G			E		C	C
METHYLISOBUTYL KETONE	C	G	X	X	X	X	G	X	E	E	X	E
METHYLISOPROPYL KETONE	G	C	X	X	X	X	E	X	E		X	E
METHYLLACTONITRILE	E		C	C		X			E		X	
METHYLPHENOL	X	X	C	X	X	X			E		E	
METHYLPROPYL CARBINOL	E		E	E		E			E		G	
METHYLPROPYL KETONE	G	G	X	X	X	X		X	E		X	E
MIL-A-6091	E	E	E	E	E	G		E			E	
MIL-E-9500	E	E	E	E	E	E		E			E	
MIL-F-16884	X	X	C	X	C	E		X			E	
MIL-F-17111	X	X	X	X	G	E		X			E	
MIL-F-25558B	X	X	G	X	G	E		X			E	
MIL-F-25576C	X	X	C	X	C	E		X			E	
MIL-F-7024A	X	X	X	X	X	E		X			E	
MIL-G-10924B			X		X	X	E				G	E
MIL-G-25013D			X		X	G	E				C	E
MIL-G-25537A			X		X	G	E				G	E
MIL-G-4343B			C		C	G	G				E	E
MIL-G-5572			X		X	X	E				G	E
MIL-G-7711A			X		X	X	E				E	E
MIL-H-13910B			E		G	G	G				X	E
MIL-H-19457B			E		X	X	X				X	C
MIL-H-22251			E			G	G					E
MIL-H-27601A			X		X	G	G				C	E
MIL-H-5606B			C		X	G	E				G	E
MIL-H-6083C			X		C	G	E				G	E
MIL-H-8446B			X		X	G	G				C	E
MIL-J-5161F			X		X	X	G				C	E
MIL-J-5624G (JP-3, JP-4, JP-5)			X		X	X	E				C	E
MIL-L-15016			X		X	G	E				E	E
MIL-L-17331D			X		X	G	E				E	E
MIL-L-2104B			X		X	G	E				E	E
MIL-L-21260			X		X	G	E				E	E
MIL-L-23699A			X		X	C	G				C	E
MIL-L-25681C			E		G	G	G				C	E
MIL-L-3150A			X		X	G	E				G	E
MIL-L-3545B			X		C	G	G				C	E
MIL-L-4339C			X		X	X	E				X	E
MIL-L-6082C			X		X	G	E				E	E
MIL-L-6085A			X		X	X	G				C	E
MIL-L-7870A			X		X	G	E				X	E
MIL-L-9000F			X		X	G	E				C	E
MIL-L-9236B			X		X	X	G				X	E
MIL-O-5606							E					E

E Excellent G Good C Conditional X Unsatisfactory Blank No rating • Reference only: verify for your actual application.

CHEMICALS 625–676 OF 976

CHEMICAL / MATERIAL	BUTYL	EPDM	CSM	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	PTFE	UHMWPE	FKM	XLPE
MIL-O-7808			X		X	X	G			E	X	E
MIL-P-27402			E			G	G					
MIL-S-3136B TYPE 1 FUEL			X		X	G	E				G	E
MIL-S-3136B TYPE 2 FUEL			X		X	X	C				G	E
MIL-S-3136B TYPE 3 FUEL			X		X	X	C				G	E
MIL-S-3136B TYPE 4 OIL, LOWSWELL			X		X	E	E				E	E
MIL-S-3136B TYPE 5 OIL, MEDSWELL			X		X	G	E				G	E
MIL-S-3136B TYPE 6 OIL, HI SWELL			X		X	X	E				G	E
MIL-S-81087			E		E	E	E				E	E
MINERAL OIL		G	X	E	X	E	E	E	X	E	E	E
MINERAL SPIRITS			X		X	X	E			E	G	E
MOBILE HFA			X				E	E		E		
MOLTEN SULFUR			E		G	E	G			E	G	E
MONOBUTYL ETHER			X		X	C	C			E	X	X
MONO-CHLOROACETIC ACID		X	C	X	C	E	X	X	X	E	X	G
MONOCHLOROBENZENE			X	C	X	X	X	G	X	E	X	E
MONOCHLORODIFLUOROMETHANE		C	E	X	C	E	X		X	E		X
MONOETHANOL AMINE			G		G	G	G			E	X	X
MONOETHYL AMINE			E		C	X	X			E	X	X
MONOMETHYLAMINE			E		C	C	G			E		C
MONOVINYL ACETATE			G									E
MORPHOLINE			X			X	X	X		E		
MOTOR OIL			X	G		G	E	G		E	G	E
MTBE		X				X	X			G		X
MURIATIC ACID		X	C	C	C	C	C	X	E	E	C	C
NA-K			X				X			X		
NAPHTHA		E	X	E	X	X	E	E	X	E	C	E
NAPHTHALENE		C	X	C	X	X	X	G	C	E	G	E
NAPTHENIC ACIDS		E	X		X	X	G			E		E
N-BUTANAL			G		X	C	X			E	C	X
N-BUTYLAMINE			C		X	X	X			E	X	X
N-BUTYLBENZENE					X		X			E		E
N-BUTYLBROMIDE					X		X			E		G
N-BUTYLBUTYRATE			E		X	X	X			E		E
N-BUTYLCARBINOL		E	E	E	E	E	G	E	E	E	X	E
NEOHEXANE					X		E			E		E
NEON GAS	E	E	E	E	E	E	E	E	E		E	
NEU-TRI	X		X	X		X			E		E	E
NICKEL ACETATE	E	E	X	E	G	G		X	E	E	X	E
NICKEL CHLORIDE	E	E	E	E	G	E	C	E	E	E	E	E
NICKEL NITRATE	E	E	E	E	E	E			E	E	E	E
NICKEL SULFATE	E	E	E	G	E	E	C	G	E	E	E	E
NIETYLENE				E								
NITRIC ACID, 10 %	E	E	G	X	G	X	C	X	E	E	X	C
NITRIC ACID, 13N	X	X	X	X	X	X	X	X	E			
NITRIC ACID, 13N + 5 %	X	X	X	X	X	X	X	X	E			
NITRIC ACID, UP TO 25 %	G	E	G	X	X	X	X	X	E	E	C	E
NITRIC ACID, 25 % – 40 %	C	G	C	X	X	X	X	X	E	G	C	G
NITRIC ACID, 40 % – 60 %	X	X	X	X	X	X	X	X	E	C	C	C
NITRIC ACID, CONC (16N)	X	X	X	X	X	X	X	X	E	E	E	G
NITRIC ACID, RED FUMING	C	X	X	X	X	X	X	X	E	X	C	X
NITRILOTRIETHANOL	G	E	E	G	X	C		G	E		X	

E Excellent G Good C Conditional X Unsatisfactory Blank No rating • Reference only: verify for your actual application.

ELITE INDUSTRIAL

CHEMICALS 677–728 OF 976

CHEMICAL / MATERIAL	BUTYL	EPDM	CSM	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	PTFE	UHMWPE	FKM	XLPE
NITROBENZENE	G	X	X	X	X	X	C	X	E	E	C	E
NITROETHANE	G	G	C	G	C	X		G	E	E	X	E
NITROGEN	E	E	E	E	E	E		E	E	E	E	E
NITROMETHANE	G	G	C	G	X	X		C	E	E	X	E
NITROPROPANE		G								E		
NITROUS OXIDE GAS	E	E	E	E	G	E	C		E	E	E	
N-NONYL ALCOHOL	E		E	E		E			E		G	
N-OCTANE	X	X	X	X	C	E		X	E	G	E	G
NONANOIC ACID	E		X	X		E			E			
NONANOL	E		E	E		E			E		G	
N-SERV (75 % XYLENE)							E		E		E	C
NUTO H		X				E	E		E			
NYVAC LIGHT		E				X	E		E			
O-AMINOTOLUENE												
OCTANOIC ACID	C		G	C		C			E			
OCTANOL	G	E	G	G	G	G		G	E	E	E	E
OCTYL ACETATE	E		E	X		X			E	E	X	
OCTYL ALCOHOL	G	G	G	G	G	G		G	E	E	G	E
OCTYL ALDEHYDE	C		X	X		X			E		X	E
OCTYL AMINE	E		C	C		C			E		X	C
OCTYL CARBINOL	E		E	E		E			E		G	E
OCTYLENE GLYCOL	E		E	E		E			E		E	C
OIL-PETROLEUM	X	X	G	X	G	E	G	X	E	E	E	E
OLEIC ACID	X	C	G	X	C	E	E	X	E	E	E	E
OLEUM (FUMING SULFURIC ACID)	X	X	X	X	X	X	X	X	E	X	G	X
OLIVE OIL	G	G	G	X	G	E	E	X	E	G	E	C
ORTHO-DICHLOROBENZENE	X	X	X	X	X	X	E	X	E		E	
ORTHO-DICHLOROBENZOL	X	X	X	X	X	X	E	X	E		E	G
ORTHOXYLENE	X	C	X	X	X	X	G	X	E		E	E
OXALIC ACID	E	E	E	C	G	G	G	G	E	E	E	C
OXYDIETHANOL												
OXYGEN COLD		E			E					E	E	
OZONE	G	E	E	X	C	X	C	X	E	C	E	C
PAINT THINNER	X	X	X	X	X	X	G	X	E	E	G	E
PALM OIL										E	E	
PALMITIC ACID	G	G	C	E	G	E	C		E	E	E	G
PAPERMAKERS ALUM	E		E	E	E	E			E	G	E	
PARA METHOXYPROPENYL BENZENE	X		X	X			G		E		G	
PARA-DICHLOROBENZENE	X	X	X	X	X	X		X	E		E	G
PARAFFIN WAX	X	X	X	X	G	E		E		E	E	X
PARALDEHYDE	E	E	X	C	C	C			E		X	E
PARAXYLENE	X	X	X	X	X	C			E		E	E
PCB									E		E	
P-CYMENE	X	X	X	X	X	X		X	E	E	E	E
PELARGONIC ALCOHOL	E		E	E		E			E		G	E
PENTACHLOROETHANE	X		X	X	X	X			E		E	E
PENTADIONE												
PENTAMETHYLENE	X	X	X	X	E	G			E		E	
PENTANE	X	X	C	X	C	E	G	X	E	G	E	G
PENTANOL	E	E	E	E	E	E			E		G	
PENTANONE			G		X	X	X			E		X
PENTASOL			E		E	E	G			E	X	G

E Excellent G Good C Conditional X Unsatisfactory Blank No rating • Reference only: verify for your actual application.

CHEMICALS 729–780 OF 976

CHEMICAL / MATERIAL	BUTYL	EPDM	CSM	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	PTFE	UHMWPE	FKM	XLPE
PENTYL ACETATE			E	C	X	X	X	G	X	E	X	
PENTYL ALCOHOL		E	E	E	E	E	G	E	E	E	X	E
PENTYL BROMIDE										E		G
PENTYL CHLORIDE		C	X		X	X		E		E	C	E
PENTYL ETHER							C			E		
PENTYLAMINE			X		C	X	C			E		X
PERCHLORIC ACID-2N			G	X	X	G	X	X	X	E	X	E
PERCHLOROETHYLENE		C	X	X	X	X	C	C	X	E	X	E
PERCHLOROMETHANE					X	X	X			E		
PETROLEUM CRUDE			X	C	X	G	E	G		E	E	E
PETROLEUM ETHER			X		X	C	E	E		E	G	E
PETROLEUM OILS		G	X	E	X	G	E	G	C	E	G	E
PHENBO											X	
PHENOL				X	X	X	X	X	X	E	X	E
PHENOLSULFONIC ACID					X		X			E	G	X
PHENYLAMINE			G		X	X	X			E	C	E
PHENYLBROMIDE			X		X	X	X			E	X	G
PHENYLBUTANE		C										
PHENYLCHLORIDE			X		X	X	X			E	X	E
PHENYLETHYLENE			X	X	X	X	X			E	C	G
PHENYLMETHANE			X		X	X	X			E	X	E
PHENYLMETHANOL			G	C	X	X	X	C	X	E	X	E
PHENYLMETHYL ACETATE					X					E		X
PHOSPAHTE ESTERS		G	E	C	X	X	X	E	E	E	X	C
PHOSPHORIC ACID 10 %		X	E			E	E	E	E	E	E	E
PHOSPHORIC ACID 10 % – 85 %		X	E	X	G	E	X	C		E	C	E
PHOSPHORUS TRICHLORIDE ACID			E		X	X	X			E		E
PHTALIC ANHYDRIDE			E			E						E
PICRIC ACID, H2O SOLUTION		X	C	X	C	C	C	X	X	C	G	E
PINE OIL			X		X	X	G			E	E	E
PINENE			X		X	X	G			E	G	E
POLY CHLORINATED BIPHENOL										E		E
POLYETHYLENE GLYCOL E-400		E			E							E
POLYOL ESTER				X		G		G			X	
POLYPROPYLENE GLYCOL					E		E			E		E
POLYVINYL ACETATE EMULSION (PVA)			E			G						X
POTASSIUM ACETATE			E		E	G	G	G		E	X	C
POTASSIUM BICARBONATE			E			E						E
POTASSIUM BISULFATE			E		E	E	E	G		E		E
POTASSIUM BISULFITE			E		E	E	E	G		E	E	E
POTASSIUM CARBONATE			E	X	E	E	E	C		E	C	E
POTASSIUM CHLORIDE		G	E	G	E	E	E	E		E	E	E
POTASSIUM CHROMATE			E		G	E	E	G		E	G	E
POTASSIUM CYANIDE		G	E	G	E	G	E	E		E	E	E
POTASSIUM DICHROMATE		X	E		C	E	E	G		E	G	E
POTASSIUM HYDRATE			G		G	G	G	G		E	G	C
POTASSIUM HYDROXIDE		X	E	C	G	G	G	G	G	E	C	G
POTASSIUM NITRATE			E	G	E	E	E	G		E	E	E
POTASSIUM PERMANGANATE 5 %			E	X	E	E	C	X		E	X	E
POTASSIUM SILICATE			E		E	E	E	G		E	E	E
POTASSIUM SULFATE			E	G	E	E	E	E		E	E	E
POTASSIUM SULFIDE			E		G	E	E	E		E	E	E

E Excellent G Good C Conditional X Unsatisfactory Blank No rating • Reference only: verify for your actual application.

CHEMICALS 781–832 OF 976

CHEMICAL / MATERIAL	BUTYL	EPDM	CSM	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	PTFE	UHMWPE	FKM	XLPE
POTASSIUM SULFITE			E		G	E	E	E		E	E	E
PRESTONE ANTIFREEZE		G	E	G	E	C	E	G	E	E	X	E
PRODUCER GAS			X		X	G	E			E	E	E
PROPANEDIOL			E		E	C	E			E	G	E
PROPANETRIOL		E	E	E	E	E	E	G	X	E	C	E
PROPANOL			E		E	E	E		E	E	X	E
PROPANOLAMINE		E										
PROPANONE		G	E	C	C	X	X	E	E	E	X	X
PROPEN-1-OL			E		E	E	E			E		G
PROPENEDIAMENE		E										
PROPENENITRILE					G	X	X			E		
PROPENYL ALCOHOL			E		E	E	E			E		G
PROPENYLANISOLE	X		X	X		X			E		G	
PROPIONIC ACID	E	E	G	E	C	C		X	E		X	E
PROPIONITRILE	E	E		E	G	X			E		X	
PROPYL ACETATE	G	E	X	X	X	X		X	E	E	X	E
PROPYL ALCOHOL	E	E	E	E	E	E		E	E	E	E	E
PROPYL ALDEHYDE	G		X	C		X			E	E	X	E
PROPYL BENZENE												
PROPYL CHLORIDE	C		X	X		X			E	E	G	E
PROPYL ETHER												
PROPYL NITRATE	G	G	X	X	X	X		X	E		X	
PROPYLENE	X	X	X	X	X	X		X	E		E	
PROPYLENE DIAMINE	E		C	G		G			E			
PROPYLENE DICHLORIDE										C	E	
PROPYLENE GLYCOL	C	E	E	E	C	E		E	E	E	E	
PYDRAUL, ‘E’ SERIES	G	G	X	X	X	X	G	X	E	E	E	E
PYDRAULIC ‘C’	X	X	X	X	X	X	E	X	E		E	
PYRIDINE		G								C		
PYROLIGNEOUS ACID		G								G		
RESIN OIL					X						E	
QUINTOLUBRIC 822 SERIES	X	X		X	X	G					G	
RED OIL	X	C	G	X	C	E	E	X	E		E	
REFRIGERANT 11	X	X	E	X	X	G		X	E		C	
REFRIGERANT 12	C	C	E	C	E	E	G	E	E		G	C
REFRIGERANT 22	X	E	E	C	E	X	G	E	E		C	C
RESORCINOL		G			X		X	G	E		E	
SAE NO. 10 OIL	X	X	X	X	C	E	E	X	E		E	
SAL AMMONIAC	E	E	E	E	E	E	C	E	E		E	
SEA WATER	E	E	E	E	G	E	E	E	E	E	E	E
SEWAGE	G	E	E	G	G	E	E	G	E	E	E	E
SILICATE ESTERS	C	X	G	X	E	G	G	X	E		E	
SILICATE OF SODA	E	E	E	E	E	E			E		E	E
SILICONE GREASE	E	E	E	E	E	E	E	E	E		E	
SILICONE OIL	E	E	E	C	E	E	E	E	E	E	E	
SILVER NITRATE	E	E	E	E	E	G	E	E	E	E	E	E
SKYDROL 500 TYPE 2	G	E	X	X	X	X	G	X	E		X	
SKYDROL 500B	G	E	X		X		E		E		X	
SKYDROL 500C	G		X		X				E		X	
SKYDROL 7000 TYPE 2	E	E	X	X	X	X	E	X	E		G	
SOAP SOLUTIONS	G	E	E	G	G	E	E	G	E	E	E	E
SODA ASH	E	E	E	E	E	E	G	E	E	E	E	E

E Excellent G Good C Conditional X Unsatisfactory Blank No rating • Reference only: verify for your actual application.

CHEMICALS 833–884 OF 976

CHEMICAL / MATERIAL	BUTYL	EPDM	CSM	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	PTFE	UHMWPE	FKM	XLPE
SODA LIME	E	E	G	E	G	G			E	E	G	E
SODA NITER	E	E	E	G	G	G	E	G	E		E	E
SODA, CAUSTIC	E	E	E	G	E	C	G	E	E	E	X	E
SODIUM ACETATE	E	E	C	E	G	G	G	X	E	E	X	E
SODIUM ALUMINATE	E	E	E	G	E	E	G	G	E	E	E	E
SODIUM BICARBONATE	E	E	E	E	E	E	E	E	E	E	E	E
SODIUM BISULFATE	E	E	E	E	E	G	C	G	E	E	E	E
SODIUM BISULFITE	E	E	E	E	E	E	E	G	E	E	E	C
SODIUM BORATE	E	E	E	E	E	E	E	E	E	E	E	E
SODIUM CARBONATE 10 % – 15 %	G	E	E	E	E	E	G	E	E	E	E	E
SODIUM CHLORATE		E									E	
SODIUM CHLORIDE	G	E	E	E	E	E	G	E	E	E	E	E
SODIUM CYANIDE	E	E	E	E	E	E	E	E	E	E	E	E
SODIUM DICHROMATE	E	C	G	X	C	E	G	G	E	E	C	G
SODIUM FLUORIDE		E			E					C	E	
SODIUM HYDRATE	E	E	G	E	G	G	G	G	E		G	E
SODIUM HYDROCHLORITE	G	G	E	C	C	C	G	G	E		E	G
SODIUM HYDROXIDE (CAUSTIC SODA)	E	E	E	E	G	C	G	G	E	E	C	E
SODIUM HYPOCHLORITE	G	G	G	X	C	X	X	C	E	E	C	G
SODIUM METAPHOSPHATE	G	E	G	E	G	E	E	E	E	E	E	E
SODIUM NITRATE	E	E	E	G	G	G	E	G	E	E	E	E
SODIUM PERBORATE	E	E	G	G	G	G	E	G	E	E	E	E
SODIUM PEROXIDE	E	E	G	G	G	G	X	G	E	E	E	E
SODIUM PHOSPHATE	E	E	E	E	C	E	C	E	E	E	E	E
SODIUM SILICATE	E	E	E	E	E	E	E	E	E	E	E	
SODIUM SULFATE	E	E	E	G	E	E	E	G	E	E	E	E
SODIUM SULFIDE		G	E	G	G	E	E	E		E	E	E
SODIUM SULFITE			E		G	E	E	E		E	E	E
SODIUM THIOSULFATE			E		E	E	E	G		E	E	E
SOYBEAN OIL		G	X	G	X	E	E	E		E	G	E
STANNIC CHLORIDE		X	E	G	G	C	E	C		E	G	E
STANNIC SULFIDE					E		E			E		
STANNOUS CHLORIDE			C	G	E	E	E	C		E	C	E
STANNOUS SULFIDE					E		E			E		
STEARIC ACID		G	G	G	C	G	E	E	E	E	E	E
STODDARD SOLVENT		G	X	E	X	C	E	E	X	E	G	E
STYRENE MONOMER			X	X	X	X	X			E	C	G
SULFAMIC ACID			X		G	G	C			E	X	E
SULFUR					X	X	X			E		G
SULFUR CHLORIDE		G	X	C	X	C	C	C		E	C	E
SULFUR DIOXIDE			E	X	C	X	X	X		E		E
SULFUR TRIOXIDE, DRY			G	X	C	X	X			E	G	E
SULFURIC ACID 60 % +93 °C (+200 °F)		X	X	X		X	X	X				C
SULFURIC ACID, 25 %		X	E	E	G	E	E	X	E	E	X	E
SULFURIC ACID, 25 % – 50 %		X	E	G	G	E	E	X		E	X	E
SULFURIC ACID, 50 % – 96 %		X	G	X	X	C	C	X		E	X	E
SULFURIC ACID, CONC. 96 % – 98 %		X	X	X	X	X	X	X		E	X	G
SULFURIC ACID, FUMING		X	X	X	X	X	X	X		E	X	G
SULFUROUS ACID, 10 %		X	E	C	G	G	C	C		E		E
SULFUROUS ACID, 10 % – 85 %		X	G	C	G	C	C	X		E	X	G
SUTAN										E		
TALL OIL			X		X	C	E			E	E	E

E Excellent G Good C Conditional X Unsatisfactory Blank No rating • Reference only: verify for your actual application.

CHEMICALS 885–936 OF 976

CHEMICAL / MATERIAL	BUTYL	EPDM	CSM	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	PTFE	UHMWPE	FKM	XLPE
TALLOW			E		C	G	E			E	E	E
TANNIC ACID		X	E	G	E	E	E	G	E	E	E	E
TAR, BITUMINOUS		G	X	G	C	C	G	G		E	G	E
TAR, CAMPHOR		C	X	C	X	X	X	G	C	E	G	E
TARTARIC ACID		X	C	G	E	E	E	E	E	E	E	E
T-BUTYL AMINE			G									
TELONE 2												
TERPINOL		E	C		X	X	G			E	G	E
TERTIARY BUTYL ALCOHOL			G		G	G	G			E	X	E
TERTIARY BUTYL AMINE			G									
TERTIARY BUTYL MERCAPTAN			X		X	X	X			E	X	E
TETRACHLOROBENZENE					X		X			E	G	G
TETRACHLOROETHANE			X		X	X	X		C	E	X	E
TETRACHLOROETHYLENE			X		X	X	C	C		E	X	E
TETRACHLOROMETHANE			X		X	X	X			E	C	E
TETRACHLORONAPHTHALENE					X		X			E		G
TETRAETHYLENE GLYCOL					E		E			E		E
TETRAETHYLORTHOSILICATE					X	X	X			E		
TETRAHYDROFURAN			X	C	X	X	X	G	X	E	X	X
THF			X	C	X	X	X	G	X	E	X	X
TIN CHLORIDES			E		E	C	E			E	G	E
TITANIUM TETRACHLORIDE			X		X	X	C			E	X	E
TOLUENE		C	X	C	X	X	X	E	X	E	X	E
TOLUENE DIISOCYANATE (TDI)			E									
TOLUIDINE					X		X			E		G
TOLUOL		C	X	C	X	X	X	E	X	E	X	E
TRANSFORMER OIL			X		X	G	E			E	E	E
TRANSMISSION ‘A’ OIL			X	G	X	G	E	G		E	E	E
TRI (2-HYDROXYETHYL) AMINE			E	X	G	X	C			E	X	X
TRIBUTYL AMINE					G		G			E		
TRIBUTYL PHOSPHATE			E	C	C	X	X	G		E	X	X
TRICHLOROACETIC ACID			G	X	C	X	C	X		E	X	X
TRICHLOROBENZENE					X	X	X			E	X	G
TRICHLOROETHANE			X		X	X	X	X		E	X	E
TRICHLOROETHYLENE		C	X	X	X	X	X	C	X	E	X	E
TRICHLOROMETHANE		X	X	X	X	X	X	C	X	E	X	E
TRICHLOROTOLUENE							X			E		
TRICRESYL PHOSPHATE			E	C	C	C	X	G		E	X	E
TRIETHANOLAMINE			E	X	G	X	C			E	X	X
TRIETHYLAMINE			E		G	G	E			E	X	E
TRIETHYLENE GLYCOL	E		E	E		E			E		E	
TRIHYDROXYBENZOIC ACID	G	G	G	E	G	G	G	G	E		E	
TRIMETHYL PENTANES (MIXED)	X	X	C	X	C	E	E	X	E		E	
TRIMETHYL PENTENE												
TRIMETHYLAMINE									E	E		E
TRINITROTOLUENE (TNT)					G						G	
TRISODIUM PHOSPHATE	E	E	E	E	E	E	E	E	E		E	E
TRITOYL PHOSPHATE	E	E	X	X	X	X	G	X	E		E	
TUNG OIL	X	X	E	X	E	E	G	X	E	E	E	E
TUNG OIL (CHINA OIL)	C	X	E	X	E	E	G	X	E	E	E	E
TURBINE OIL		X			C						E	
TURPENTINEX	X	X	X	X	X	X	E	X	E	G	E	G

E Excellent G Good C Conditional X Unsatisfactory Blank No rating • Reference only: verify for your actual application.

CHEMICALS 937–976 OF 976

CHEMICAL / MATERIAL	BUTYL	EPDM	CSM	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	PTFE	UHMWPE	FKM	XLPE
UDMH	E	E	E	E	G	G		X	E		X	
UNDECYL ALCOHOL	E		E	E		E			E		G	
UREA	E	E	E	E	G	G	E		E	E	E	E
URETHANE FORMULATIONS						E	E		E			
URIC ACID							G		E			
VARNISH	X	X	X	X	X	G	E	X	E		E	
VEGETABLE OILS	C	C	G	X	C	E	G	X	E	E	E	E
VERSILUBE F44	E	E	E	E	E	E	E	E	E		E	
VERSILUBE F55	E	X	E	E	E	E	E	E	E		E	
VINEGAR	E	E	E	G	G	G	E	G	E	X	E	X
VINEGAR ACID												
VINYL ACETATE	E	G	C	X	X	X		X	X	E	E	E
VINYL BENZENE	X	X	X	X	X	X		X	E	E	G	G
VINYL CHLORIDE (GAS)	X	G		G					E	E		E
VINYL CYANIDE	X	X	C	C	C	X	E	C	E		C	
VINYL ETHER	X		G	X		G			E	E	X	E
VINYL STYRENE	X		X	X				X	E	E	E	E
VINYL TOLUENE	X		X	X		X			E	E	E	E
VINYL TRICHLORIDE	X		X	X	X	X			E	E	E	E
VITAL, 4300, 5310		X				X	E		E			
VM&P NAPHTHA	X	X	X	X	C	C			E		E	X
WATER	E	E	E	E	G	E	E	G	E	E	E	E
WATER, BOILING	E	E	E		G	G	X	G	G	X	G	X
WATER, SODA							E		E			
WEMCO C	X	X	X	X	G	E		X			E	
WHISKEY	E	E	E	E	E	E	E	E	E	X	E	X
WHITE OIL	X	X	X	X	G	E		X	E	E	E	X
WHITE PINE OIL	X	X	X	X	X	G		X			E	
WINES	E	E	E	E	E	E	E	E	E	X	E	X
WOOD ALCOHOL	E	E	E	E	E	E		E	E	E	C	E
WOOD OIL	C	X	C	X	G	E	G	X	E	E	E	E
XENON	E	E	E	E	E	E		E	E		E	
XYLENE, XYLOL	X	X	X	X	X	X	G	X	E	C	E	C
XYLIDINE	G	C	X	X	X	C		X	E	G	C	G
ZEOLITES	E	E	E	E	E	E		E			E	
ZINC ACETATE	E	E	C	E	G	G		X	E		C	
ZINC CARBONATE	E	E	E	E	E	E			E	E	E	E
ZINC CHLORIDE	E	E	E	E	E	E	E	E	E	E	E	E
ZINC CHROMATE	E		C						E			G
ZINC SULFATE	E	E	E	E	E	E	X	G	E	E	E	E

E Excellent G Good C Conditional X Unsatisfactory Blank No rating • Reference only: verify for your actual application.