

Appendix C. Compatibility Table

CARGO GROUPS	REACTIVE GROUPS																					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
NON-OXIDIZING MINERAL ACIDS	1	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	A	E		1
SULFURIC ACID	2	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2
NITRIC ACID	3	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	3
ORGANIC ACIDS	4	X			X	X	X	X	C							X	X			F		4
CAUSTICS	5	X	X	X	X						X	X					X	X		X	X	5
AMMONIA	6	X	X	X	X					X	X	X	X				X	X		X	X	6
ALIPHATIC AMINES	7	X	X	X	X						X	X	X	X	X	X	X	X	X	X	X	7
ALKANOLAMINES	8	X	X	X	X						X	X	X	X	X	X	X	B	X			8
AROMATIC AMINES	9	X	X	X	C						X	X							X			9
AMIDES	10	X	X	X			X					X									X	10
ORGANIC ANHYDRIDES	11	X	X	X		X	X	X	X	X												11
ISOCYANATES	12	X	X	X	X	X	X	X	X	X						D				X		12
VINYL ACETATE	13	X	X	X			X	X	X													13
ACRYLATES	14		X	X			X	X														14
SUBSTITUTED ALLYLS	15		X	X			X	X				D										15
ALYKENE OXIDES	16	X	X	X	X	X	X	X	X													16
EPOCHLOROXYDRIN	17	X	X	X	X	X	X	X	X													17
KETONES	18		X	X			X	B														18
ALDEHYDES	19	X	X	X		X	X	X	X	X												19
ALCOHOLS, GLYCOLS	20	E	X	X	F	X	X					X										20
PHENOLS, CRESOLS	21		X	X		X	X			X												21
CAPROLACTAM SOLUTION	22		X			X	X				X											22
OLEFINS	30		X	X																		30
PARAFFINS	31																					31
AROMATIC HYDROCARBONS	32			X																		32
MISC. HYDROCARBON	33			X																		33
ESTERS	34		X	X																		34
VINYL HALIDES	35			X																	X	35
HALOGENATES	36		G			H		I														36
NITRILES	37		X																			37
CARBON DISULFIDE	38						X	X														38
SULFOLANE	39																					39
GLYCOL ETHERS	40		X								X											40
ETHERS	41		X	X																		41
NITROCOMPOUNDS	42					X	X	X	X	X												42
MISC. WATER SOLUTIONS	43		X								X											43

Reactivity Differences (Deviations) Within Chemical Groups

- Formaldehyde (19), Acrolein (19), Crotonaldehyde (19), and 2-Ethyl-3-Propyl Acrolein (19) are not compatible with group 1, Nonoxidizing Mineral Acids.
- Isophorone (18) and Mesityl Oxide (18) are not compatible with group 8, Alkanolamines
- Acrylic Acid (4) is not compatible with group 9, Aromatic amines.
- Allyl Alcohol (15) is not compatible with group 12, Isocyanates.
- Furfuryl Alcohol (20) is not compatible with group 1, Nonoxidizing Mineral Acids.
- Furfuryl Alcohol (20) is not compatible with group 4, Organic Acids.
- Dichloroethyl Ether (36) is not compatible with group 2, Sulfuric Acid.
- Trichloroethylene (36) is not compatible with group 5, Caustics.
- Ethylenediamine (7) is not compatible with Ethylene Di-chloride (36).