

Simrit Chemical Compatibility Guide

Chemical Medium	ACM	AU	EPDM		FFKM		FVMQ		IIR		NR		SBR		VMQ		
	AEM	CR	ETP	FKM	HNBR	NBR	PTFE	TFE/P									
Butyl Laurate	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	2
Butyl Mercaptan	4	0	4	4	4	2	1	4	0	4	4	4	4	0	4	0	4
Butyl Methacrylate	4	0	4	1	1	2	1	4	1	3	1	3	1	0	1	0	2
Butyl Oleate	0	0	0	4	2	1	1	1	2	4	2	4	4	0	4	1	0
Butyl Oxalate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Butyl Phenol	4	0	4	4	4	1	1	2	0	4	4	4	4	1	4	0	4
Butyl Stearate	0	0	0	4	4	1	1	1	2	2	4	2	4	0	4	1	0
Butylamine	4	0	4	4	4	4	1	4	4	1	4	3	4	0	4	2	4
Butylbenzoic Acid	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Butylene	4	0	1	2	4	1	1	1	2	1	4	2	4	1	4	2	4
Butylene Glycol	0	0	1	1	1	0	1	2	1	1	1	1	1	1	1	0	1
Butyne Diol	0	0	1	2	1	0	2	2	0	1	1	1	1	1	1	0	0
Butyraldehyde	4	4	4	4	2	3	2	4	4	4	2	4	2	1	2	4	4
Butyric Acid	4	0	0	2	2	2	1	3	0	1	2	4	4	1	4	1	0
Butyric Anhydride	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Butyrolacetone	4	0	4	1	1	2	1	3	1	3	1	3	1	0	1	0	2
Butyryl Chloride	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Cadmium Chloride	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Cadmium Cyanide	4	0	4	1	1	1	1	1	1	3	1	1	1	0	1	1	2
Cadmium Nitrate	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	2
Cadmium Oxide	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Cadmium Sulfate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Cadmium Sulfide	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Calcine Liquors	4	0	4	2	1	1	1	1	1	1	1	1	0	0	0	1	0
Calcium Acetate	4	0	4	2	1	3	1	4	4	2	1	2	1	0	4	1	4
Calcium Arsenate	4	0	4	1	1	1	1	1	1	3	1	1	1	0	1	1	2
Calcium Benzoate	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Calcium Bicarbonate	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	2
Calcium Bisulfide	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0	2
Calcium Bisulfite	3	0	1	1	4	1	1	1	3	1	1	1	1	1	1	1	3
Calcium Bromide	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Calcium Carbonate	3	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Calcium Chlorate	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0	2
Calcium Chloride	1	1	4	1	1	1	1	1	1	1	1	1	4	1	1	1	1
Calcium Chromate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Calcium Cyanide	0	0	0	1	1	1	1	1	0	1	1	1	1	0	1	1	1

1] Little or no effect (Volume swell <10%) 2] Possible loss of physical properties (Volume swell 10–20%)
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Calcium Fluoride	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1		
Calcium Gluconate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Calcium Hydride	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Calcium Hydrogen Sulfite	0	0	0	0	4	1	1	1	1	0	0	4	0	0	0	1	1
Calcium Hydrosulfide	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Calcium Hydroxide	4	0	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Calcium Hypochlorite	4	2	4	2	1	1	1	1	2	2	1	2	4	1	4	1	2
Calcium Hypophosphite	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Calcium Lactate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Calcium Nitrate	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Calcium Oxalate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Calcium Oxide	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Calcium Phenolsulfonate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Calcium Phosphate	1	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
Calcium Phosphate Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Calcium Propionate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Calcium Salts	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	2
Calcium Silicate	0	0	0	1	1	1	1	1	0	1	1	1	1	0	1	1	0
Calcium Stearate	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Calcium Sulfamate	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Calcium Sulfate	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	2
Calcium Sulfide	4	0	1	1	1	1	1	1	1	1	1	1	2	1	2	1	2
Calcium Sulfite	4	0	1	1	1	1	1	1	1	1	1	1	2	0	2	1	1
Calcium Thiocyanate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Calcium Thiosulfate	4	0	1	1	1	1	1	1	1	2	1	2	2	0	2	1	1
Calcium Tungstate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Caliche Liquors	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	2
Camphene	4	0	3	4	4	1	1	2	2	2	4	2	4	0	4	0	0
Camphor	4	0	3	2	1	1	1	2	2	1	4	1	4	1	4	1	0
Camphorated Oil	0	0	0	4	4	0	1	2	0	2	4	1	4	1	4	0	0
Camphoric Acid	4	0	3	4	4	1	1	2	2	2	4	2	4	0	4	0	0
Cane Sugar Liquors	4	0	4	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Capric Acid	1	0	1	2	4	1	1	2	1	1	4	1	4	0	4	0	2
Caproic Acid	1	0	1	2	4	1	1	2	1	1	4	1	4	0	4	0	2
Caproic Aldehyde	4	0	4	0	2	3	1	4	4	0	2	0	2	0	0	3	2
Caprolactam	1	0	1	2	1	3	1	4	1	1	4	1	4	0	4	2	2

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Capronaldehyde	1	0	1	2	4	1	1	1	1	4	1	4	0	4	0	2	
Carbamate	4	0	4	2	2	1	1	1	1	3	2	3	4	0	4	1	0
Carbitol	4	0	4	2	2	2	1	3	2	2	2	2	2	0	2	1	2
Carbitol 2	4	0	4	3	2	0	1	2	2	0	1	2	0	1	2	0	2
Carbolic Acid	4	4	3	4	2	1	1	1	1	4	2	4	4	1	4	1	4
Carbolineum	4	0	1	4	4	0	1	1	1	4	4	4	4	1	4	0	4
Carbon Bisulfide	3	0	0	4	4	1	1	1	1	4	4	4	4	0	4	2	4
Carbon Dioxide	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Carbon Dioxide, Dry	1	0	0	1	2	1	1	1	2	1	1	1	1	1	1	1	2
Carbon Dioxide, Explosive Decompression Use	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Carbon Dioxide, Wet	0	0	0	2	2	1	1	1	0	1	0	1	0	0	0	1	0
Carbon Disulfide	3	0	4	4	4	1	1	2	1	4	4	4	4	1	4	1	4
Carbon Fluorides	4	0	4	4	4	1	1	1	2	2	4	2	4	0	4	2	4
Carbon Monoxide	0	1	1	2	1	1	1	1	2	1	1	1	2	1	2	1	1
Carbon Monoxide, Dry	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1
Carbon Monoxide, Wet	1	0	0	1	1	0	1	1	1	1	1	1	1	1	1	0	1
Carbon Tetrachloride	4	4	4	4	4	1	1	1	2	2	4	2	4	1	4	4	4
Carbon Tetrafluoride	4	0	4	4	4	1	1	1	2	2	4	2	4	0	4	2	4
Carbonic Acid	1	0	1	2	1	1	1	1	1	1	1	4	1	1	2	1	1
Casein	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0	2
Castor Oil	1	0	1	1	2	1	1	1	1	1	2	1	1	1	1	1	1
Caustic Lime	4	0	4	1	1	1	1	1	1	3	1	1	1	0	1	1	1
Caustic Potash	4	0	4	2	1	1	1	1	3	2	1	2	2	1	2	1	3
Caustic Soda	4	0	4	2	1	2	1	4	2	2	1	2	2	1	2	1	2
Cellosolve	4	4	4	4	2	3	1	4	4	4	2	4	4	1	4	1	4
Cellosolve Acetate	4	0	4	4	2	3	1	4	4	4	2	4	4	0	4	3	4
Cellosolve Butyl	4	0	4	4	2	4	4	4	4	4	2	4	4	0	4	2	4
Celluguard	3	0	4	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Cellulose Acetate	4	0	4	1	1	2	1	4	1	3	1	3	1	0	1	0	2
Cellulose Acetate Butyrate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Cellulose Ether	4	0	4	1	1	2	1	3	1	3	1	3	1	0	1	0	2
Cellulose Nitrate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Cellulose Tripropionate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Cellulube A60	0	0	0	4	2	1	1	3	3	4	0	4	0	0	0	2	2
Cellulube, Phosphate Esters	0	0	0	0	1	1	1	1	3	0	0	4	0	0	0	2	1

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Cellutherm 2505A	2	0	4	4	4	1	1	2	2	4	2	4	0	4	1	4	
Cement, Portland	0	0	0	0	1	1	1	0	0	0	1	0	0	0	1	0	
Cerium Sulfate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2	
Cerous Chloride	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2	
Cerous Fluoride	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2	
Cerous Nitrate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2	
Cetane (Hexadecane)	1	0	4	2	4	1	1	3	1	4	1	4	0	4	1	4	
Cetyl Alcohol	1	0	1	2	4	1	1	1	1	4	1	4	0	4	0	2	
China Wood Oil	1	2	3	2	4	1	1	2	1	3	1	4	1	4	2	4	
Chloracetic Acid	4	0	4	1	2	0	1	4	4	4	2	4	4	1	4	0	0
Chloral	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0	2
Chloral Hydrate, Aqueous	0	0	0	4	2	0	1	2	0	4	2	4	4	1	4	0	0
Chloramine	0	0	0	1	1	3	1	4	0	1	1	1	1	1	1	0	0
Chloranthraquinone	4	0	3	4	4	2	1	1	2	2	4	2	4	0	4	0	0
Chlordane	0	0	0	3	4	1	1	1	2	2	4	2	4	0	4	1	4
Chlorethanol	0	0	0	4	2	0	2	4	0	4	2	4	4	1	4	0	0
Chlorextol	2	0	4	2	4	1	1	1	2	2	4	2	4	0	4	1	4
Chloric acid	4	0	4	4	2	1	1	2	1	4	2	4	4	1	4	0	2
Chloride of Lime, Aqueous	0	0	4	4	1	0	1	1	0	4	1	4	4	1	4	0	0
Chlorinated Naphthalene	0	0	0	0	4	1	1	2	2	0	0	4	0	0	0	4	4
Chlorinated Salt Brine	0	0	0	4	4	1	1	1	0	4	0	4	0	0	0	1	0
Chlorinated Solvents	4	0	4	4	4	1	1	1	1	4	4	4	4	1	4	4	4
Chlorinated Solvents, Dry	4	0	4	4	4	1	1	1	1	4	4	4	4	0	4	2	4
Chlorinated Solvents, Wet	4	0	4	4	4	1	1	1	1	4	4	4	4	0	4	2	4
Chlorine	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	3	0
Chlorine Dioxide	4	0	4	4	3	1	2	1	2	4	3	4	4	1	4	3	3
Chlorine Dioxide, 8% Cl as NaClO ₂ in Solution	4	0	4	4	4	1	1	1	2	4	4	4	4	0	4	2	0
Chlorine Trifluoride	4	0	4	4	4	3	2	4	4	4	4	4	4	1	4	4	4
Chlorine Water	0	0	0	4	2	1	1	1	0	3	2	3	4	1	4	1	4
Chlorine, Dry Gas	4	4	4	2	4	1	1	1	1	3	4	4	4	1	4	3	4
Chlorine, Liquid	0	0	0	4	2	0	2	2	0	4	2	4	4	1	4	0	0
Chlorine, Plasma	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0
Chlorine, Wet	4	4	2	4	2	1	2	2	2	4	2	4	4	1	4	2	4
Chlorine, Wet Gas	0	0	0	4	2	2	2	2	0	4	2	4	4	1	4	0	0
Chloro 1-Nitro Ethane	4	0	4	4	4	3	1	4	4	4	4	4	4	0	4	3	4

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Chloro Oxyfluorides	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0
Chloro Xylenols	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Chloroacetaldehyde	4	0	4	1	1	3	2	4	1	3	1	3	1	0	1	0	2
Chloroacetic Acid	4	0	4	4	2	2	1	4	4	4	2	4	4	0	4	2	0
Chloroacetone	4	0	4	4	1	2	1	4	4	4	2	4	4	0	4	4	4
Chloroamino Benzoic Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Chloroaniline	4	0	4	1	2	3	1	3	1	3	1	4	1	0	1	2	2
Chlorobenzaldehyde	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0	2
Chlorobenzene	4	0	4	4	4	1	1	1	2	4	4	4	4	1	4	2	4
Chlorobenzene Chloride	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Chlorobenzene Trifluoride	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Chlorobenzochloride	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Chlorobenzotrifluoride	4	0	3	4	4	1	1	1	2	2	4	4	4	0	4	0	4
Chlorobromomethane	4	0	4	4	2	1	1	1	2	4	2	4	4	1	4	3	4
Chlorobromopropane	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Chlorobutadiene	4	0	4	4	4	1	1	1	2	4	4	4	4	0	4	3	4
Chlorobutane	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2
Chlorododecane	4	0	4	4	4	1	1	1	1	4	4	4	4	0	4	2	4
Chloroethane	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2
Chloroethane Sulfonic Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Chloroethylbenzene	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	4	0
Chloroform	4	4	4	4	4	1	1	2	3	4	4	4	4	1	4	4	4
Chlorohydrin	4	0	4	1	1	1	1	1	1	3	1	1	1	0	1	1	2
Chloronaphthalene	4	0	4	4	4	1	1	1	2	4	4	4	4	0	4	4	4
Chloronitrobenzene	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Chloronitroethane	0	0	0	0	4	2	1	4	4	0	0	4	0	0	0	0	4
Chlorophenol	0	0	0	0	4	1	1	1	2	0	0	4	0	0	0	0	4
Chlorophenol, Ortho	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	2
Chlorophenol, Para	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	2
Chloropicrin	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Chloroprene	4	0	3	4	4	1	1	1	2	2	4	4	4	0	4	3	4
Chlorosulfonic Acid	4	4	4	4	4	2	1	4	4	4	4	4	4	1	4	4	4
Chlorotoluene	4	0	4	4	4	1	1	1	2	4	4	4	4	0	4	2	4
Chlorotoluene Sulfonic Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Chlorotoluidine	4	0	3	4	4	2	1	4	2	2	4	2	4	0	4	0	0
Chlorotrifluoroethylene	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0

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Chlorox	4	0	4	2	2	1	1	1	2	2	2	4	0	4	1	0	
Chlorsulphonic Acid	4	0	0	4	4	0	0	0	4	4	4	4	1	4	0	4	
Cholesterol	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Chrome Alum	4	0	0	1	1	1	1	1	0	1	1	1	1	0	1	3	1
Chrome Plating Solution	4	0	4	4	2	1	1	1	2	4	2	4	4	1	4	1	2
Chromic Acid	4	4	3	4	2	1	1	1	2	4	4	4	4	1	4	1	3
Chromic Oxide	0	0	0	4	2	1	1	1	0	4	0	4	0	0	0	1	0
Chromium Potassium Sulfate	0	0	0	2	2	1	1	1	0	2	0	2	0	0	0	2	0
Cinnamic Acid	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Cinnamic Alcohol	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Cinnamic Aldehyde	4	0	3	4	4	2	1	3	2	2	4	2	4	0	4	0	0
Circo Light Process Oil	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Citric Acid	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
City Service 65, 120, 250	1	0	2	2	4	1	1	1	1	1	4	1	4	0	4	1	4
City Service Kool Motor Oil 140	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	4
City Service Pacemaker No. 2	1	0	2	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Clophen	4	0	1	4	4	0	0	2	0	0	4	0	1	0	4	0	4
Clophen-A types	0	0	4	4	0	0	1	1	1	4	0	4	4	1	4	0	1
Clorox	0	0	0	0	2	1	1	1	2	0	0	2	0	0	0	0	2
Coal Tar	0	0	0	2	4	1	1	1	1	1	0	1	0	0	0	1	4
Cobalt Chloride	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	2
Cobalt Chloride, 2N	4	0	4	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Cobaltous Acetate	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0	2
Cobaltous Bromide	4	0	4	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Cobaltous Chloride	0	0	0	0	1	1	1	1	1	0	0	1	0	0	0	1	2
Cobaltous Sulfate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Coconut Fat	1	0	1	2	4	0	1	1	1	1	4	1	4	1	4	0	1
Coconut Fatty Alcohol	0	0	0	1	2	0	1	1	0	1	2	1	2	1	2	0	0
Coconut Oil	1	0	3	3	3	1	1	1	1	1	3	1	4	1	4	1	1
Cod Liver Oil	1	0	1	2	1	1	1	1	1	1	1	1	2	1	2	1	2
Codeine	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Coffee	4	1	4	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Coke Oven Gas	4	0	4	4	4	1	1	1	2	4	4	4	4	1	4	1	2
Coliche Liquors	0	0	0	1	2	0	0	0	0	2	2	2	1	0	2	2	0
Convelex 10	0	0	2	4	3	1	1	1	0	4	4	4	4	0	4	2	4
Coolanol	4	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	4

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2] Possible loss of physical properties (Volume swell 10–20%)

3] Noticeable change (Volume swell 20–40%)

4] Not suitable for service

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Simrit Chemical Compatibility Guide

Chemical Medium	ACM	AU	EPDM	FFKM	FVMQ	IIR	NR	SBR	VMQ								
	AEM	CR	ETP	FKM	HNBR	NBR	PTFE	TFE/P									
Copper Acetate	4	0	4	2	1	3	1	4	4	2	1	2	1	0	4	4	4
Copper Ammonium Acetate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Copper Carbonate	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0	2
Copper Chloride	1	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
Copper Cyanide	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	2	1
Copper Fluoride	0	0	0	2	1	0	1	1	0	1	1	1	1	1	1	0	0
Copper Gluconate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Copper Nitrate	0	0	0	2	2	1	1	1	0	1	1	2	1	1	1	2	0
Copper oxide	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Copper Salts	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Copper Sulfate	4	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Copper Sulfate 10%	4	0	2	1	1	1	1	1	1	1	2	1	2	0	2	1	1
Copper Sulfate 50%	4	0	3	1	1	1	1	1	1	1	2	1	1	0	2	1	1
Corn Oil	1	1	1	3	3	1	1	1	1	1	3	1	4	1	4	1	1
Cottonseed Oil	1	0	1	3	3	1	1	1	1	1	2	1	2	1	2	1	1
Creosote, Coal Tar	1	4	3	2	4	1	1	1	1	1	4	1	4	1	4	1	4
Creosote, Wood	1	0	3	2	4	1	1	1	1	1	4	1	4	0	4	2	4
Creosylic acid	4	0	4	4	4	0	1	1	0	1	4	4	4	0	4	1	0
Cresol	4	0	1	4	4	1	1	1	2	4	4	4	4	1	4	1	4
Cresylic Acid	4	0	4	4	4	1	1	1	2	4	4	4	4	0	4	1	4
Crotonaldehyde	4	0	3	4	1	2	1	4	2	2	1	2	2	1	2	0	0
Crotonic Acid	4	0	3	4	2	1	1	2	4	2	4	4	4	0	4	0	4
Crude Oil, Asphalt Base	1	1	1	2	4	1	1	1	2	2	4	2	4	1	4	1	4
Cumaldehyde	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Cumene	4	0	4	4	4	1	1	1	2	4	4	4	4	0	4	3	4
Cupric Sulfate	0	0	0	1	1	1	1	1	0	1	0	1	0	0	0	1	0
Cutting Oil	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Cyanogen Chloride	0	0	0	4	3	2	1	2	0	3	0	4	0	0	0	3	0
Cyclohexane	2	3	1	4	4	1	1	1	2	1	4	1	4	1	4	2	4
Cyclohexanol	0	0	1	4	4	1	1	1	1	1	4	1	4	1	4	1	4
Cyclohexanone	4	0	4	4	2	3	1	4	4	4	4	4	4	1	4	3	4
Cyclohexene	4	0	3	4	4	2	1	3	2	2	4	2	4	0	4	0	0
Cyclohexylamine	1	0	1	4	4	3	1	4	1	4	4	4	4	1	4	0	2
Cyclohexylamine Laurate	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2
Cyclopentadiene	4	0	3	4	4	2	1	3	2	2	4	2	4	0	4	0	0
Cyclopentane	2	0	1	3	4	1	1	1	1	1	4	1	4	0	4	2	4

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3] Noticeable change (Volume swell 20–40%)

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Simrit Chemical Compatibility Guide

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Cyclopolyolefins	2	0	1	3	4	1	1	3	1	1	4	1	4	0	4	2	4
Cymene	4	0	3	4	4	1	1	1	2	0	4	4	4	0	4	0	4
DDT (Dichlorodiphenyltrichloroethane)	4	0	3	4	4	1	1	1	1	2	4	4	4	0	4	0	4
Decahydronaphthalene	0	0	0	0	4	1	1	1	1	0	0	4	0	0	0	0	4
Decalin	0	0	0	4	4	1	1	1	1	4	4	4	4	0	4	2	4
Decane	1	0	2	3	4	1	1	1	1	1	4	1	4	0	4	1	2
Deionized Water	4	0	4	1	2	1	1	1	1	2	1	2	1	0	1	2	2
Delco Brake Fluid	0	0	0	2	1	4	1	4	4	3	2	3	0	0	1	1	3
Delta H	2	0	0	4	4	0	2	2	0	4	4	4	4	1	4	0	0
Delvac 1100, 1110, 1120, 1130	0	0	0	2	4	1	1	1	0	1	0	1	0	0	0	1	1
Denatured Alcohol	4	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Desmodur	4	0	2	4	4	0	0	0	0	4	4	0	2	4	4	0	4
Desmophen 2000	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1	0	0
Detergent Solutions	4	0	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1
Detergents	0	0	0	2	1	0	2	2	0	1	1	1	4	1	2	0	0
Developing Fluids	0	0	0	1	2	1	1	1	1	1	2	1	1	0	2	1	1
Dexron	1	0	2	2	4	1	1	1	2	1	4	1	4	0	4	2	4
Dextrin	1	0	4	1	1	1	1	1	1	1	1	1	1	1	1	0	1
Dextro Lactic Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Dextron	0	0	0	2	4	1	1	1	2	1	0	1	0	0	0	1	4
Dextrose	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0	2
Diacetone	4	4	4	4	1	2	1	4	4	4	1	4	4	1	4	2	4
Diacetone Alcohol	4	0	4	2	1	2	1	4	4	4	1	4	1	1	1	4	4
Dialkyl Sulfates	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Diamylamine	1	0	1	2	4	3	1	4	1	1	4	1	4	0	4	0	2
Diazinon	0	0	0	3	4	1	1	2	2	3	4	3	4	0	4	4	4
Dibenzyl	4	0	3	4	4	1	1	2	2	2	4	2	4	0	4	0	0
Dibenzyl Ether	0	0	2	4	2	3	1	4	0	4	2	4	4	1	4	3	0
Dibenzyl sebacate	4	0	2	4	2	1	1	2	3	4	2	4	4	0	4	1	3
Dibromodifluoromethane	0	0	0	0	2	0	1	0	0	0	0	4	0	0	0	0	4
Dibromoethane	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Dibromoethylbenzene	4	0	4	4	4	1	1	2	2	4	4	4	4	0	4	4	4
Dibromotetrafluoroethane	0	0	0	0	4	2	2	2	0	0	0	2	0	0	0	4	4
Dibutyl Cellosolve Adipate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2

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Simrit Chemical Compatibility Guide

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	AEM	CR	ETP	FKM	HNBR	NBR	PTFE	TFE/P									
Dibutyl Ether	3	0	2	4	3	2	1	3	3	4	2	4	4	4	4	4	
Dibutyl Methylene-dithio Glycolate	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Dibutyl Phthalate	4	4	3	4	2	2	1	3	3	4	3	4	4	1	4	2	2
Dibutyl Sebacate	4	0	4	4	2	1	1	4	2	4	4	4	4	1	4	2	2
Dibutyl Thioglycolate	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Dibutyl Thiourea	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Dibutylamine	4	0	4	3	4	3	1	4	4	4	4	4	4	0	4	2	3
Dicapryl Phthalate	0	0	0	0	2	1	1	2	2	0	0	4	0	0	0	0	3
Dichlorobutane	0	0	0	4	4	0	1	1	0	2	0	2	0	0	0	1	0
Dichloroacetic Acid	0	0	4	4	1	3	2	4	0	4	1	4	4	1	4	0	0
Dichlorethane	4	0	4	4	4	0	2	2	0	4	4	4	4	1	4	0	4
Dichlorethylene	0	0	0	4	0	0	2	2	0	4	0	4	4	1	4	0	0
Dichloroacetic Acid	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Dichloroaniline	4	0	4	1	1	1	1	4	1	3	1	3	1	0	1	0	2
Dichlorobenzene	4	0	4	4	4	1	1	1	2	4	4	4	4	1	4	3	4
Dichlorobutane	4	0	4	4	4	1	1	1	2	2	4	2	4	1	4	1	4
Dichlorobutene	4	0	3	4	4	1	1	2	2	4	4	4	4	1	4	0	0
Dichlorodiethyl Sulfide	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1
Dichlorodiphenyldichloroethane	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Dichloroethane	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Dichloroethylene	4	0	3	4	4	1	1	2	2	2	4	2	4	0	4	0	0
Dichlorohydrin	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Dichloroisopropyl Ether	3	0	2	4	3	2	1	3	3	4	4	4	4	0	4	3	4
Dichloromethane	4	0	4	4	4	1	1	3	2	4	4	4	4	1	4	0	4
Dichlorophenol	4	0	3	4	4	1	1	2	2	2	4	2	4	0	4	0	0
Dichlorophenoxyacetic Acid	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Dichloropropane	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Dichloropropene	4	0	3	4	4	1	1	2	2	2	4	2	4	0	4	0	0
Dicyclohexylamine	4	0	4	4	4	2	1	4	4	1	4	3	4	0	4	3	2
Dicyclohexylammonium Nitrate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Diethrin	4	0	3	4	4	2	1	4	2	2	4	2	4	0	4	0	0
Diesel Fuel	2	0	2	2	4	1	1	1	1	1	4	1	4	1	4	0	2
Diesel Oil	1	1	3	3	4	1	1	1	1	1	4	1	4	1	4	1	4
Di-Ester Synthetic Lubricants	2	0	4	4	4	1	1	1	2	2	4	2	4	0	4	1	4
Diethanolamine	4	0	4	1	1	2	1	3	1	3	1	3	1	0	1	0	2

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Chemical Medium	ACM	AU	EPDM		FFKM		FVMQ		IIR		NR		SBR		VMQ		
	AEM	CR	ETP	FKM	HNBR	NBR	PTFE	TFE/P									
Diethyl Carbonate	4	0	4	1	1	1	1	1	3	1	3	1	0	1	0	2	
Diethyl Ether	3	0	1	3	4	3	1	4	3	4	4	4	1	4	4	4	
Diethyl Phthalate	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Diethyl Sebacate	4	0	4	4	2	2	1	2	2	3	2	4	4	1	4	2	2
Diethyl Sulfate	0	0	0	4	1	4	1	3	0	4	0	4	0	0	0	2	2
Diethylamine	4	0	4	4	2	4	1	4	4	2	1	2	4	1	4	4	2
Diethylaniline	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Diethylbenzene	0	0	0	4	4	1	1	1	3	4	0	4	0	0	0	3	4
Diethylene Glycol	2	0	4	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Diethylene Glycol Butyl Ether	0	0	0	0	1	2	1	3	4	0	0	4	0	0	0	2	4
Diethylhexyl Phthalate	0	0	0	0	2	1	1	2	2	0	0	4	0	0	0	2	3
Diethylhexyl Sebacate	0	0	0	0	2	1	1	1	3	0	0	4	0	0	0	1	3
Difluorodibromomethane	4	0	4	4	2	1	1	0	0	4	2	4	4	0	4	2	4
Difluoroethane	4	0	3	4	4	1	1	4	2	2	4	2	4	0	4	0	0
Difluoromonochloroethane	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Diglycol Chloroformate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Diglycolic Acid	4	0	4	2	1	1	1	1	1	2	1	2	1	1	1	0	2
Dihexyl Phthalate	0	0	0	4	0	0	2	4	0	4	0	4	4	1	4	0	0
Dihydroxydiphenylsulfone	4	0	4	1	1	2	1	3	1	3	1	3	1	0	1	0	2
Diisobutyl Ketone	0	0	0	4	1	2	1	4	0	4	1	4	2	1	4	1	0
Diisobutylcarbinol	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2
Diisobutylene	4	0	4	4	4	1	1	1	3	2	4	2	4	0	4	2	4
Diisooctyl Sebacate	4	0	4	4	3	1	1	2	3	3	4	3	4	0	4	2	3
Diisopropyl Ether	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
Diisopropyl Ketone	4	0	4	4	1	3	1	4	4	4	1	4	4	0	4	2	4
Diisopropylbenzene	4	0	3	4	4	1	1	1	2	2	4	4	4	0	4	0	0
Diisopropylidene Acetone	4	0	3	4	3	3	1	4	4	2	4	4	4	0	4	0	4
Dimethyl Acetamide	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0	2
Dimethyl Aniline	4	0	3	4	4	2	1	4	2	2	4	2	4	0	4	0	0
Dimethyl Disulfide	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2
Dimethyl Ether	0	0	0	4	4	3	1	4	1	4	1	4	2	1	4	4	1
Dimethyl Formaldehyde	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0	2
Dimethyl Formamide	4	0	4	4	2	2	1	4	4	3	2	3	2	1	4	3	2
Dimethyl Hydrazine	4	0	4	1	1	2	1	4	1	3	1	3	1	0	1	0	2
Dimethyl Phenyl Carbinol	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Dimethyl Phenyl Methanol	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0

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	AEM	CR	ETP	FKM	HNBR	NBR	PTFE	TFE/P									
Dimethyl Phthalate	4	4	4	4	2	1	1	2	2	4	2	4	4	1	4	2	0
Dimethyl Sulfoxide	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	2	2
Dimethyl Terephthalate	4	0	3	4	4	1	1	2	2	2	4	2	4	0	4	0	0
Dimethylamine	4	0	3	4	1	1	2	4	4	4	1	4	4	1	4	2	2
Dimethylaniline	0	0	0	0	2	4	1	4	4	0	0	3	0	0	0	0	4
Dimethylether	0	0	0	3	4	0	1	4	0	4	0	4	0	0	0	4	0
Dinitrochlorobenzene	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Dinitrogen Tetroxide	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0
Dinitrotoluene	4	0	4	4	4	3	1	4	4	4	4	4	4	0	4	4	4
Dinonyl Phthalate	0	0	0	4	0	0	2	4	0	4	0	4	4	1	4	0	0
Diocetyl Phthalate	4	0	4	4	2	1	1	1	2	4	2	4	4	1	4	2	3
Diocetyl Sebacate	4	0	2	4	2	1	1	1	3	4	2	4	4	1	4	2	3
Diocetylamine	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2
Dioxane	4	0	4	4	2	3	1	4	4	4	2	4	2	1	2	4	4
Dioxolane	4	0	4	4	2	3	1	4	4	4	3	4	4	0	4	4	4
Dipentene	4	0	4	4	4	1	1	1	3	2	4	2	4	1	4	3	4
Diphenyl	4	0	4	4	4	1	1	1	2	4	4	4	4	1	4	2	4
Diphenyl Oxides	4	0	4	4	4	1	1	1	2	4	4	4	4	1	4	2	3
Diphenylamine	4	0	3	4	4	2	1	4	2	2	4	2	4	0	4	0	0
Diphenylpropane	4	0	3	4	4	1	1	2	2	2	4	2	4	0	4	0	0
Disilane	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0
Dodecylbenzene	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Dow Chemical 50-4	0	0	0	2	1	3	2	4	4	3	2	3	0	0	1	4	0
Dow Chemical ET378	3	0	2	4	3	3	2	3	0	4	4	4	4	0	4	3	4
Dow Chemical ET588	0	0	0	2	1	3	2	4	4	3	2	3	0	0	1	4	0
Dow Corning 11	1	0	1	1	1	1	1	1	1	2	1	1	1	0	1	1	3
Dow Corning 1208, 4050, 6620, F-60, XF-60	0	0	0	1	1	1	1	1	0	1	0	1	0	0	0	1	1
Dow Corning 1265 Fluorosilicone Fluid	1	0	1	1	1	1	1	1	3	2	1	2	1	0	1	1	1
Dow Corning 200	1	0	1	1	1	1	1	1	2	2	1	1	1	0	1	1	3
Dow Corning 220	0	0	0	1	1	1	1	1	0	1	0	1	0	0	0	1	0
Dow Corning 3	1	0	1	1	1	1	1	1	1	2	1	1	1	0	1	1	3
Dow Corning 33	1	0	1	1	1	1	1	1	2	2	1	1	1	0	1	1	3
Dow Corning 4	1	0	1	1	1	1	1	1	1	2	1	1	1	0	1	1	3
Dow Corning 44	1	0	1	1	1	1	1	1	2	2	1	1	1	0	1	1	3

1] Little or no effect (Volume swell <10%)

2] Possible loss of physical properties (Volume swell 10–20%)

3] Noticeable change (Volume swell 20–40%)

4] Not suitable for service

0] Insufficient info

Simrit Chemical Compatibility Guide

Chemical Medium	ACM	AU	EPDM	FFKM	FVMQ	IIR	NR	SBR	VMQ								
	AEM	CR	ETP	FKM	HNBR	NBR	PTFE	TFE/P									
Dow Corning 5	1	0	1	1	1	1	1	2	2	1	1	1	0	1	1	3	
Dow Corning 510	1	0	1	1	1	1	1	2	2	1	2	1	0	1	1	3	
Dow Corning 55	1	0	1	1	1	1	1	2	2	1	1	1	0	1	1	3	
Dow Corning 550	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	3	
Dow Corning 704	1	0	1	1	1	1	1	2	2	1	2	1	0	1	0	3	
Dow Corning 705	1	0	1	1	1	1	1	2	2	1	2	1	0	1	1	3	
Dow Corning 710	1	0	1	1	1	1	1	2	2	1	2	1	0	1	1	3	
Dow Corning F-60 Fluid	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	4	
Dow Corning F-61 Fluid	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	4	
Dow Guard	3	0	3	1	1	1	1	1	1	1	1	1	0	1	1	1	
Dowtherm 209	0	0	0	2	1	1	1	3	3	2	3	0	0	0	1	3	
Dowtherm A	4	0	4	4	4	1	1	2	4	4	4	4	1	4	2	4	
Dowtherm E	4	0	4	4	4	1	1	2	4	4	4	4	0	4	1	4	
Drinking Water	4	0	4	2	1	1	1	1	1	1	1	1	0	1	1	1	
Dry Cleaning Fluids	4	0	4	4	4	1	2	1	2	3	4	3	4	0	4	3	4
Dte 20 Series	2	0	1	1	4	1	1	2	2	4	2	2	0	0	2	4	
DTE Light Oil	0	0	1	2	4	1	1	1	1	4	1	3	0	4	1	3	
Elco 28-EP Lubricant	1	1	1	3	4	1	1	1	1	4	1	4	0	4	1	2	
Engine Oils	1	0	2	2	4	0	1	1	1	4	1	4	1	4	0	2	
Epichlorohydrin	4	0	4	4	2	3	1	4	4	4	2	4	4	1	4	4	
Epoxy Resins	0	0	0	1	1	2	1	4	0	3	1	3	0	0	0	2	0
Esam-6 Fluid	0	0	0	2	1	2	1	4	4	4	2	4	0	0	1	4	0
Essential Oils	0	0	0	4	4	0	1	2	0	4	4	4	4	1	4	0	0
Esso Fuel 208	1	0	4	2	4	1	1	1	1	4	1	4	0	4	1	4	
Esso Golden Gasoline	4	0	4	4	4	1	1	1	1	2	4	2	4	0	4	3	4
Esso Motor Oil	1	0	4	3	4	1	1	1	1	4	1	4	0	4	1	4	
Esso Transmission Fluid, Type A	1	0	3	2	4	1	1	1	1	4	1	4	0	4	1	4	
Esso WS2812	2	0	4	4	4	1	1	1	1	4	1	4	0	4	1	4	
Esso XP90-EP Lubricant	1	0	1	2	4	1	1	1	1	4	1	4	0	4	1	4	
Esstic 42, 43	1	0	2	2	4	1	1	1	1	4	1	4	0	4	1	4	
Ethanal	4	0	4	3	2	4	2	4	4	3	2	4	2	1	3	4	2
Ethane	1	0	1	2	4	1	1	1	2	1	4	1	4	1	4	0	4
Ethanethiol	0	0	0	0	3	1	1	2	0	0	0	4	0	0	0	0	3
Ethanol	4	0	4	1	1	1	1	3	1	3	1	3	1	1	1	1	2
Ethanol with Acetic Acid, Fermentation Mixture	0	0	0	4	1	0	1	0	0	4	1	4	1	1	1	0	0

1] Little or no effect (Volume swell <10%) 2] Possible loss of physical properties (Volume swell 10–20%)
 3] Noticeable change (Volume swell 20–40%) 4] Not suitable for service 0] Insufficient info