

# 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	1	2	2	1	1	1	0	1	1	3
Dow Corning 510	1	0	1	1	1	1	1	1	2	2	1	2	1	0	1	1	3
Dow Corning 55	1	0	1	1	1	1	1	1	2	2	1	1	1	0	1	1	3
Dow Corning 550	1	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	1	2	2	1	2	1	0	1	0	3
Dow Corning 705	1	0	1	1	1	1	1	1	2	2	1	2	1	0	1	1	3
Dow Corning 710	1	0	1	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	1	0	1	1	4
Dow Corning F-61 Fluid	1	0	1	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	1	0	1	1	1
Dowtherm 209	0	0	0	2	1	1	1	1	3	3	2	3	0	0	0	1	3
Dowtherm A	4	0	4	4	4	1	1	1	2	4	4	4	4	1	4	2	4
Dowtherm E	4	0	4	4	4	1	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	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	1	2	2	4	2	2	0	0	2	4
DTE Light Oil	0	0	1	2	4	1	1	1	1	1	4	1	3	0	4	1	3
Elco 28-EP Lubricant	1	1	1	3	4	1	1	1	1	1	4	1	4	0	4	1	2
Engine Oils	1	0	2	2	4	0	1	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	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	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	1	4	1	4	0	4	1	4
Esso Transmission Fluid, Type A	1	0	3	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Esso WS2812	2	0	4	4	4	1	1	1	1	1	4	1	4	0	4	1	4
Esso XP90-EP Lubricant	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Esstic 42, 43	1	0	2	2	4	1	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

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

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	AEM		CR		ETP		FKM		HNBR		NBR		PTFE		TFE/P		
Ethanolamine	4	0	3	2	2	3	1	4	4	2	2	4	2	0	2	0	2
Ethers	3	0	2	4	4	3	1	4	3	4	4	4	4	0	4	4	4
Ethoxyethyl Acetate	4	0	4	1	1	2	1	3	1	3	1	3	1	0	1	0	2
Ethyl Acetate	4	0	4	4	2	3	1	4	4	4	4	4	4	1	4	4	2
Ethyl Acetoacetate	4	1	4	4	2	3	1	4	4	4	2	4	3	0	3	4	2
Ethyl Acrylate	4	0	4	4	2	3	1	4	4	4	2	4	4	1	4	3	2
Ethyl Alcohol	4	0	4	1	1	1	1	2	1	3	1	1	1	1	1	1	2
Ethyl Benzene	4	0	4	4	4	1	1	1	1	4	4	4	4	1	4	3	4
Ethyl Benzoate	4	0	4	4	4	1	1	1	1	4	4	4	4	1	4	3	4
Ethyl Bromide	0	0	0	4	4	1	1	1	1	2	4	2	4	0	0	1	0
Ethyl Cellosolve	4	0	4	4	2	2	1	4	4	4	2	4	4	0	4	0	4
Ethyl Cellulose	4	0	2	2	2	3	1	4	4	2	2	2	2	1	2	0	3
Ethyl Chloride	3	4	2	2	2	1	1	1	1	1	2	1	2	1	2	2	4
Ethyl Chlorocarbonate	4	0	4	4	4	1	1	1	2	4	4	4	4	1	4	2	4
Ethyl Chloroformate	4	0	4	4	2	1	1	4	4	4	3	4	4	0	4	0	4
Ethyl Cyanide	0	0	0	0	4	3	1	4	0	0	0	1	0	0	0	1	0
Ethyl Cyclopentane	0	0	0	3	4	1	1	1	1	1	0	1	0	0	0	2	4
Ethyl Dibromide	0	0	0	4	3	1	1	1	0	4	0	4	0	0	0	2	0
Ethyl Dichloride	0	0	0	4	3	1	1	1	0	4	0	4	0	0	0	1	0
Ethyl Ether	4	3	4	4	3	3	1	4	4	4	3	4	2	1	4	4	4
Ethyl Formate	0	0	0	2	2	1	2	1	1	4	2	4	4	1	4	1	0
Ethyl Hexanol	4	1	4	1	1	1	1	1	1	1	1	1	1	1	1	0	2
Ethyl Lactate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Ethyl Mercaptan	0	0	1	3	0	1	1	2	0	4	4	4	4	1	4	0	3
Ethyl Nitrite	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Ethyl Oxalate	4	0	1	4	1	1	1	1	2	4	4	4	4	1	4	0	4
Ethyl Pentachlorobenzene	4	0	4	4	4	1	1	1	2	4	4	4	4	1	4	0	4
Ethyl Pyridine	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Ethyl Silicate	0	0	4	1	1	1	1	1	1	1	1	1	2	1	2	0	4
Ethyl Stearate	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Ethyl Sulfate	0	0	0	4	1	1	1	4	0	4	0	4	0	0	0	1	0
Ethyl T-Butyl Ether	0	0	0	3	3	1	1	1	0	3	0	3	0	0	0	2	0
Ethyl Valerate	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Ethylacrylic Acid	4	0	4	2	2	0	0	0	4	4	2	4	4	0	4	0	4
Ethylamine	4	0	4	1	1	4	1	4	1	3	1	3	1	0	1	0	2
Ethylene	4	0	4	4	2	1	1	1	1	2	4	1	4	1	4	0	4

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	AEM	CR	ETP	FKM	HNBR	NBR	PTFE	TFE/P									
Ethylene Chloride	4	0	2	2	4	1	1	2	2	2	4	2	1	2	0	4	
Ethylene Chlorohydrin	4	0	4	2	2	1	1	1	2	4	2	4	2	0	2	1	3
Ethylene Cyanohydrin	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Ethylene Diamine	4	0	4	4	1	3	2	4	4	4	1	4	2	1	2	2	4
Ethylene Dibromide	4	0	4	4	3	1	1	2	3	4	3	4	4	0	4	0	4
Ethylene Dichloride	4	4	4	4	3	1	1	1	3	4	3	4	4	1	4	1	4
Ethylene Glycol	4	1	4	1	1	1	1	1	1	1	1	1	4	1	1	1	1
Ethylene Glycol Butyl Ether	0	0	0	0	2	3	1	4	4	0	0	3	0	0	0	3	0
Ethylene Glycol Butyl Ether Acetate	0	0	0	0	2	3	1	4	2	0	0	4	0	0	0	2	2
Ethylene Glycol Ethyl Ether Acetate	0	0	0	0	2	3	1	4	4	0	0	4	0	0	0	3	4
Ethylene Hydrochloride	4	0	4	4	3	1	1	1	3	4	3	4	4	0	4	0	4
Ethylene Oxide	4	4	4	4	3	4	1	4	4	4	3	4	4	1	4	4	4
Ethylene Oxide, 12% and Freon 12, 80%	4	0	4	4	2	4	4	4	4	3	2	3	4	0	4	0	4
Ethylene Trichloride	4	4	4	4	3	1	1	1	3	4	3	4	4	1	4	4	4
Ethylenediamine	0	0	0	0	1	3	2	4	4	0	0	1	0	0	0	2	1
Ethylmorpholine	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Ethylmorpholinestannous Octotate	0	0	0	0	2	3	1	4	0	0	0	4	0	0	0	0	0
Ethylsulfuric Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Exhaust Gases, Containing Carbon Dioxide	1	0	0	1	1	0	1	1	1	1	1	1	1	1	1	0	1
Exhaust Gases, Containing Carbon Monoxide	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1
Exhaust Gases, Containing Hydrogen Chloride	0	0	0	1	1	0	1	1	0	2	1	2	1	1	1	0	0
Exhaust Gases, Containing Hydrogen Fluoride	0	0	0	1	1	0	1	1	0	1	1	1	1	1	1	0	0
Exhaust Gases, Containing Nitrous Gases	4	0	0	1	1	0	1	1	2	0	2	0	4	1	0	0	4
Exhaust Gases, Containing Sulphur Dioxide	0	0	0	1	1	0	1	1	0	2	1	2	2	1	2	0	0
Exhaust Gases, Containing Sulphuric Acid	0	0	0	2	1	0	1	1	0	4	1	4	2	1	2	0	0
Fam Test Fuels DIN 51 604-A	0	0	1	4	4	0	1	1	1	2	4	2	4	1	4	0	4
Fam Test Fuels DIN 51 604-C	4	0	4	4	4	0	1	0	2	4	4	4	4	1	4	0	4
Fatty Acids	0	0	0	2	3	1	1	1	0	2	3	2	4	1	4	1	3

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	AEM	CR	ETP	FKM	HNBR	NBR	PTFE	TFE/P								
Fatty Alcohol	1	0	1	2	0	1	1	0	1	2	1	2	1	2	0	1
FC 11 (Trichlorofluoromethane)	4	3	0	4	4	2	2	2	2	2	4	2	4	1	4	4
FC 112 (1,2-Difluorotetrachloroethane)	0	0	2	2	4	1	1	1	2	2	4	2	4	1	4	4
FC 113 (1,1,1,2-Trichloro- 1,2,2-Trifluoroethane)	1	3	2	1	4	2	2	2	4	1	4	1	4	1	2	4
FC 113 and High & Low Aniline Oil	0	0	0	2	4	3	3	2	0	1	0	1	0	0	0	4
FC 114 (1,2-Dichlorotetrafluoroethane)	0	0	1	1	1	1	2	1	2	1	1	1	1	1	1	4
FC 114B2 (Dibromotetrafluoroethane)	0	0	0	1	4	2	2	2	0	2	4	2	4	1	4	4
FC 115 (Chloropentafluoroethane)	0	0	0	1	1	2	2	2	0	1	1	1	1	0	1	4
FC 116 (Hexafluoroethane)	0	0	0	1	1	2	2	2	0	1	1	1	1	0	1	0
FC 12 (Dichlorodifluoromethane)	0	0	1	1	2	1	2	2	4	2	2	1	2	1	1	4
FC 12 and ASTM Oil #2, 50/50 Mixture	0	0	0	3	4	1	1	1	2	2	4	2	4	0	4	4
FC 12 and Suniso 4G, 50/50 Mixture	0	0	0	3	4	1	1	1	2	2	4	2	4	0	4	4
FC 123 (Dichlorotrifluoroethane)	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0
FC 124 (2-Chloro-1,1,1, 2-Tetrafluoroethane)	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0
FC 125 (Pentafluoroethane)	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0
FC 13 (Chlorotrifluoromethane)	0	0	2	1	1	1	2	1	4	2	1	1	1	1	1	0
FC 134A (1,1,1, 2-Tetrafluoroethane)	0	0	0	1	1	3	1	4	0	2	0	2	0	1	0	0
FC 13B1 (Bromotrifluoromethane)	0	0	0	1	1	2	2	2	2	1	1	1	1	0	1	0
FC 14 (Tetrafluoromethane)	0	0	1	1	1	1	1	1	0	1	1	1	1	0	1	0
FC 142B (Difluorochloroethane)	0	0	0	1	4	2	2	2	0	2	0	2	0	0	0	4
FC 143A (1,1,1-Trifluoroethane)	0	0	0	0	4	1	1	1	2	0	0	4	0	0	0	2
FC 152A (Difluoroethane)	0	0	0	0	1	4	1	4	0	0	0	1	0	0	0	0
FC 21 (Dichlorofluoromethane)	0	0	0	3	4	4	1	4	0	4	4	4	4	1	4	0
FC 218	0	0	0	0	1	1	2	1	0	0	0	1	0	0	0	0
FC 22 (Chlorodifluoromethane)	2	4	2	1	2	4	1	4	3	4	1	4	1	1	1	0

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FC 22 and ASTM Oil #2, 50/50 Mixture	2	0	2	1	2	4	0	4	4
FC 31	0	0	1	4	2	4	2	1	0
FC 32	0	0	1	4	1	4	1	1	4
FC 43	0	0	1	3	1	1	0	4	1
FC 502, F22 and F316	0	0	1	2	2	2	1	1	0
FC 70	0	0	0	2	2	1	0	0	0
FC 75	0	0	1	4	2	2	1	4	3
FC 77, Fluorocarbon	0	0	1	1	2	2	1	4	0
FC BF	0	0	2	4	2	4	2	4	0
FC C316	0	0	0	1	2	1	0	0	0
FC C318 (Octafluoro-Tetraethylene)	0	0	1	2	2	1	1	1	4
FC K-142B	0	0	1	4	4	4	0	1	0
FC K-152a	0	0	1	4	4	4	0	1	0
FC MF	0	0	4	4	2	2	0	4	4
FC PCA	0	0	1	4	3	2	0	4	4
FC TA	0	0	0	3	2	3	0	0	3
FC TC	0	0	0	2	2	1	0	0	4
FC TF (1,1,2-Trichloro-1,2,2-Trifluoroethane)	0	3	1	2	3	2	4	1	4
FC TMC	0	0	0	3	2	1	0	2	0
FC T-P35	0	0	0	1	2	1	0	0	1
FC T-WD602	0	0	0	2	2	1	0	2	4
Fermentation Gas	0	0	1	0	1	1	4	1	1
Ferric Acetate	4	0	4	3	1	4	1	3	2
Ferric Ammonium Sulfate	4	0	4	1	1	3	1	3	2
Ferric Chloride	1	0	2	1	1	1	1	1	2
Ferric Ferrocyanide	4	0	4	1	1	3	1	3	2
Ferric Hydroxide	4	0	4	1	1	1	3	1	2
Ferric Nitrate	1	0	1	1	1	1	1	1	3
Ferric Persulfate	0	0	1	1	1	1	0	1	0
Ferric Sulfate	0	0	1	1	1	1	1	0	2
Ferrous Ammonium Citrate	4	0	4	1	1	3	1	3	2
Ferrous Ammonium Sulfate	4	0	4	1	1	2	1	3	2
Ferrous Carbonate	4	0	4	1	1	3	1	3	2
Ferrous Iodide	4	0	4	1	1	3	1	3	2

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Ferrous Sulfate	4	0	4	1	1	1	1	1	3	1	3	1	0	1	0	2	
Ferrous Tartrate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Fish Oil	1	0	3	1	4	1	1	1	1	1	2	1	2	1	2	0	1
Fluorinated Cyclic Ethers	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
Fluorine Gas	0	0	0	0	4	1	2	2	0	4	0	4	4	1	0	0	4
Fluorine Liquid	0	0	0	0	4	2	2	2	0	4	0	4	0	0	0	0	0
Fluorobenzene	4	0	3	4	4	1	1	1	2	4	4	4	4	1	4	0	4
Fluoroboric Acid	0	0	0	0	1	1	1	0	0	0	0	1	0	0	0	0	0
Fluorocarbon Oils	0	0	0	0	1	2	2	0	0	0	0	0	0	1	0	0	1
Fluorolube	0	0	0	1	1	1	2	2	2	1	1	1	0	0	4	2	1
Fluorosilicic Acid	0	0	0	1	2	1	1	1	4	1	1	1	1	1	1	1	4
Fomblin	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
Formaldehyde	4	0	4	2	2	3	1	4	4	2	1	2	1	1	1	4	2
Formamide	4	0	4	4	1	3	1	3	1	3	1	3	1	1	1	2	2
Formic Acid	0	0	4	4	1	3	2	4	3	4	2	2	2	1	2	3	2
Fruit Juice	0	0	4	2	1	0	1	1	0	2	1	2	4	1	1	0	1
Fuel Oil	1	1	0	2	4	1	1	1	1	1	1	1	4	1	4	1	4
Fuel Oil No. 6	1	0	2	4	4	1	1	1	1	2	4	2	4	0	4	1	1
Fuel Oil, 1 and 2	1	0	2	2	4	1	1	1	1	1	4	1	4	0	4	0	4
Fuel Oil, Acidic	1	0	2	2	4	1	1	1	1	1	4	1	4	0	4	1	1
Fumaric Acid	4	0	0	2	2	1	1	1	1	1	4	1	3	0	2	1	2
Furaldehyde	0	0	0	4	2	3	2	4	0	4	0	4	0	0	0	4	0
Furan	4	0	4	4	4	3	1	4	0	4	4	4	4	1	4	4	4
Furane	0	0	4	0	0	0	2	4	0	0	0	0	0	1	0	0	0
Furfural	4	4	4	4	2	3	2	4	4	4	2	4	4	1	4	4	4
Furfuryl Alcohol	4	0	4	4	2	1	1	2	4	4	2	4	4	1	4	2	4
Furnace Gas, Dry	0	0	0	2	1	0	1	1	1	4	1	4	1	1	1	0	1
Furyl Carbinol	4	0	4	4	2	4	1	4	4	4	2	4	4	0	4	2	4
Fyrquel 150, 220, 300, 550	4	0	4	4	1	1	1	1	2	4	1	4	4	0	4	1	1
Fyrquel 90, 100, 150, 220, 500	0	0	0	4	1	1	1	1	3	4	0	4	0	0	0	1	1
Fyrquel A60	0	0	0	4	2	1	1	1	3	4	0	4	0	0	0	2	1
Galden	0	0	0	0	0	2	4	1	0	0	0	0	0	0	0	2	0
Gallic Acid	4	0	4	2	2	1	1	1	1	2	2	2	1	1	2	1	0
Gas liquor	4	0	0	4	4	0	1	1	4	1	4	1	4	1	4	0	4
Gas oil	1	0	1	2	4	0	1	1	1	1	4	1	4	1	4	0	2
Gasohol	4	0	4	4	4	0	1	0	2	4	4	4	4	1	4	0	4

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

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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									
Gasoline	4	4	2	4	4	1	1	1	1	4	1	4	1	4	2	4	
Gelatin	2	1	4	1	1	1	1	1	1	1	1	1	1	1	0	1	
Girling Brake Fluid	0	0	0	2	1	2	4	3	4	3	2	3	0	0	1	0	0
Glauber's Salt	2	0	0	2	2	1	1	1	1	1	4	1	1	1	1	0	
Gluconic Acid	4	0	4	1	1	2	1	3	1	3	1	3	1	0	1	0	2
Glucose	0	1	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1
Glutamic Acid	4	0	4	1	1	2	1	3	1	3	1	3	1	0	1	0	2
Glycerin	4	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Glycerol Chlorhydrin	0	0	0	4	2	0	2	0	0	4	2	4	2	1	2	0	0
Glycerol Dichlorohydrin	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Glycerol Monochlorohydrin	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Glycerol Triacetate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Glycerophosphoric Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Glyceryl Phosphate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Glycidol	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Glycine, Aqueous, 10%	0	0	0	1	1	0	1	1	0	2	1	2	2	1	2	0	0
Glycol Monoether	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0
Glycolic Acid	4	0	4	2	1	1	1	1	1	1	1	1	1	1	1	0	1
Glycols	4	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Glyoxylic Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Grease, Petroleum Base	1	0	1	3	4	1	1	1	1	1	4	1	4	1	4	0	4
Green Sulfate Liquor	4	0	4	2	1	1	1	1	2	2	1	2	2	0	2	1	1
Gulf Crown Grease	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Gulf Endurance Oils	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Gulf FR Fluids (Emulsion)	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Gulf FR G-Fluids	4	0	2	1	1	1	1	1	1	1	1	1	1	0	1	0	1
Gulf FR P-Fluids	4	0	4	4	2	1	1	2	2	4	2	4	4	0	4	0	1
Gulf Harmony Oils	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Gulf High Temperature Grease	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Gulf Legion Oils	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Gulf Paramount Oils	1	0	2	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Gulf Security Oils	1	0	2	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Halothane	4	0	4	4	4	1	2	1	2	4	4	4	4	0	4	1	4
Halowax Oil	0	0	0	4	4	1	2	1	1	4	4	4	4	0	4	1	4
Hannifin Lube A	1	0	1	1	4	1	1	1	1	1	4	1	4	0	2	1	2
Heating Oil, Mineral-Oil Based	1	0	1	2	4	0	1	1	1	1	4	1	4	1	4	0	2

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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									
Heavy Water	4	0	4	2	1	1	1	2	1	1	1	1	0	1	1	1	
HEF-2 (Trialkyl Pentaborane)	4	0	4	4	4	1	1	1	2	2	4	2	4	0	4	1	4
Helium	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Henkel P3 Solution	0	0	0	2	1	0	1	0	0	1	1	1	2	1	1	0	0
Heptachlor	4	0	3	4	4	1	1	2	2	2	4	2	4	0	4	0	0
Heptachlorobutene	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Heptaldehyde	1	0	1	2	4	3	1	4	1	1	4	1	4	0	4	0	2
Heptane	1	1	2	2	4	1	1	1	3	1	4	1	4	1	4	3	4
Heptanoic Acid	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2
Hexachloroacetone	4	0	4	1	1	4	1	4	1	3	1	4	1	0	1	4	2
Hexachlorobutadiene	4	0	3	4	4	1	1	1	2	4	4	4	4	1	4	0	0
Hexachlorobutene	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Hexachlorocyclohexane	0	0	2	0	0	0	1	1	0	0	0	0	4	1	4	0	0
Hexachloroethane	4	0	3	4	4	1	1	2	2	2	4	2	4	0	4	0	0
Hexadecane	0	0	0	0	4	1	1	1	3	0	0	1	0	0	0	1	4
Hexafluoroethane	0	0	0	1	1	2	2	2	0	1	0	1	0	0	0	3	0
Hexaldehyde	0	0	2	4	1	3	1	4	4	4	2	4	4	1	4	0	2
Hexamethylene	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2
Hexamethylene Diammonium Adipate	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Hexamethylenediamine	4	0	4	1	1	3	2	4	1	3	1	3	1	0	1	0	2
Hexamethylenetetramine	4	0	4	1	1	3	2	4	1	3	1	3	1	0	1	0	2
Hexane	1	1	2	2	4	1	1	1	1	1	4	1	4	1	4	2	4
Hexane Triol	0	0	0	2	1	0	1	1	1	1	1	1	0	1	0	0	1
Hexene-1	1	0	1	2	4	1	1	1	1	2	4	2	4	1	4	3	4
Hexone	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0	2
Hexyl Acetate	1	0	1	2	4	3	1	4	1	1	4	1	4	0	4	0	2
Hexyl Alcohol	4	1	4	2	3	1	1	1	2	1	3	1	1	1	1	0	2
Hexylene Glycol	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0	2
Hexylresorcinol	4	0	3	4	4	1	1	2	2	2	4	2	4	0	4	0	0
High Viscosity Lubricant H2	4	0	4	2	1	1	1	1	2	1	1	1	0	0	1	1	1
High Viscosity Lubricant U4	4	0	4	2	1	1	1	1	2	1	1	1	0	0	1	1	1
Hi-Lo MS No. 1	4	0	4	4	1	4	4	4	3	4	2	4	4	0	4	3	3
Houghto-Safe 1010 Phosphate Ester	4	0	0	4	1	1	1	1	2	4	1	4	4	0	4	0	3
Houghto-Safe 1055 Phosphate Ester	4	0	0	4	1	1	1	1	2	4	1	4	4	0	4	0	3

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Houghto-Safe 1120 Phosphate Ester	4	0	4	4	2	1	1	1	2	4	1	4	4	0	4	0	3
Houghto-Safe 271 (Water & Glycol Base)	4	0	4	2	1	1	1	2	2	1	2	1	0	0	1	1	2
Houghto-Safe 416 & 500 Series	0	0	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0
Houghto-Safe 5040 (Water & Oil Emulsion)	4	0	4	2	4	1	1	1	2	1	4	1	4	0	4	0	3
Houghto-Safe 620 (Water & Glycol Base)	4	0	4	2	1	1	1	2	2	1	2	1	0	0	1	1	2
Hydraulic Fluids, Hydraulic Oils DIN 51524	1	0	1	2	4	0	1	1	1	1	4	1	4	1	4	0	2
Hydraulic Fluids, Oil-in-Water Emulsions HFA	0	0	0	2	4	0	1	0	0	1	4	1	4	1	4	0	0
Hydraulic Fluids, Phosphoric Acid Ester HFD	4	0	4	4	0	0	1	0	4	4	0	4	4	1	4	0	4
Hydraulic Fluids, Polyglycol-Water Emulsions HFC	0	0	0	2	1	0	1	1	1	1	1	1	1	1	1	0	1
Hydraulic Fluids, Water-in-Oil Emulsions HFB	0	0	0	2	4	0	1	0	0	0	4	0	4	1	4	0	0
Hydraulic Oil, Petroleum Base Aircraft	0	1	0	2	4	1	1	1	1	1	0	1	4	1	0	1	2
Hydraulic Oil, Petroleum Base Industrial	1	1	1	2	4	1	1	1	1	1	4	1	4	1	4	0	2
Hydraulic Oils, Synthetic Base	4	0	3	4	4	1	1	3	2	2	4	2	4	0	4	0	0
Hydrazine	0	0	4	2	1	3	2	4	4	2	1	2	1	1	2	1	3
Hydrazine Dihydrochloride	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0	2
Hydrazine Hydrate	4	0	2	2	1	3	1	4	2	2	1	2	4	1	2	0	2
Hydrazine, Anhydrous	4	0	4	2	2	1	1	4	4	4	2	4	4	0	1	2	0
Hydriodic Acid	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Hydrobromic Acid	4	0	4	2	1	1	1	1	3	2	1	4	1	1	4	1	4
Hydrobromic Acid, 40%	4	0	4	2	1	1	1	1	3	4	1	4	1	0	4	0	4
Hydrobromic Acid, Gas	4	0	4	0	1	0	0	1	4	0	1	4	2	1	3	0	4
Hydrocarbons, Saturated	1	0	2	2	4	1	1	1	1	1	4	1	4	0	4	0	4
Hydrochloric Acid	4	0	4	2	1	0	1	1	0	2	1	1	1	1	1	1	0
Hydrochloric Acid, 3 Molar to 158°F	3	0	4	2	1	1	1	1	3	2	1	2	3	0	3	0	4
Hydrochloric Acid, Cold 37%	0	0	0	4	3	1	1	1	0	2	0	4	0	0	0	1	0
Hydrochloric Acid, Concentrated	0	0	0	4	2	1	1	1	3	4	1	2	2	1	2	0	4
Hydrochloric Acid, Concentrated to 158°F	4	0	4	4	4	1	1	1	4	4	4	4	4	0	4	0	4

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Hydrochloric Acid, Hot 37%	4	0	3	4	3	1	1	1	2	4	4	4	4	0	4	1	3
Hydrocyanic Acid	4	0	4	2	1	1	1	1	2	2	1	2	1	1	2	1	3
Hydro-Drive MIH-10, Petroleum Base	1	0	2	2	4	1	1	1	1	1	4	1	4	0	4	0	2
Hydro-Drive MIH-50, Petroleum Base	1	0	2	2	4	1	1	1	1	1	4	1	4	0	4	0	2
Hydrofluoric Acid	4	0	4	4	4	1	1	1	4	4	0	4	0	1	0	2	4
Hydrofluoric Acid, Anhydrous	0	0	0	0	3	3	1	4	4	0	0	4	0	0	0	0	4
Hydrofluoric Acid, Concentrated Cold	0	0	0	0	2	1	2	0	0	0	2	0	0	1	2	0	0
Hydrofluoric Acid, Concentrated Hot	0	0	0	0	4	3	1	4	4	0	0	4	0	0	0	0	4
Hydrofluorosilicic Acid	0	0	0	2	1	1	1	1	4	2	1	2	1	0	2	1	4
Hydrogen Bromide	0	0	0	3	1	0	1	1	0	3	0	3	0	0	0	2	0
Hydrogen Chloride, Anhydrous	0	0	0	0	1	1	1	1	0	0	0	4	0	0	0	1	0
Hydrogen Chloride, gas	0	0	0	4	1	1	1	1	0	4	1	4	2	1	2	1	0
Hydrogen Cyanide	0	0	0	2	1	1	1	2	0	4	0	1	0	0	0	1	0
Hydrogen Fluoride	0	0	0	4	3	1	1	4	0	4	0	4	0	0	0	1	0
Hydrogen Fluoride, Anhydrous	4	0	0	0	2	3	2	4	4	4	1	4	4	0	4	2	4
Hydrogen Gas	2	1	1	1	1	1	1	1	3	1	1	1	2	1	2	1	3
Hydrogen Gas, Hot	2	0	1	1	1	1	1	1	3	1	1	1	2	0	2	0	3
Hydrogen Peroxide	4	0	0	4	1	1	1	1	2	4	1	2	4	1	4	1	2
Hydrogen Peroxide, 90%	4	0	0	4	3	1	1	2	2	4	3	4	4	0	4	1	2
Hydrogen Sulfide, Dry Cold	4	0	0	1	1	3	1	4	3	1	1	1	2	1	2	1	3
Hydrogen Sulfide, Dry Hot	4	0	0	2	1	4	1	4	3	4	1	1	4	0	4	1	3
Hydrogen Sulfide, Wet Cold	4	0	0	1	1	4	1	4	3	2	1	1	2	1	1	1	3
Hydrogen Sulfide, Wet Hot	4	0	0	2	1	4	1	4	3	4	1	1	4	0	4	1	3
Hydrolube, Water & Ethylene Glycol	4	0	4	2	1	1	1	1	2	1	2	1	0	0	1	1	2
Hydroquinol	0	0	0	4	4	2	2	1	0	4	0	4	0	0	0	3	0
Hydroquinone	2	0	0	4	4	1	2	2	2	1	1	3	2	1	2	3	2
Hydrosulphite, Aqueous	0	0	0	2	1	0	2	0	0	2	1	2	1	1	1	0	0
Hydroxyacetic Acid	4	0	4	1	1	2	1	3	1	3	1	3	1	0	1	0	2
Hydroxycitronellal	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0
Hydroxylamine Sulfate	0	0	0	2	1	0	2	0	1	1	1	1	1	1	1	0	1
Hydne	4	0	0	2	1	4	2	4	4	2	2	2	2	0	2	0	4
Hyjet	0	0	0	4	1	4	1	4	4	4	0	4	0	0	0	2	4

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Hyjet IV and IVA	4	0	4	4	1	4	4	4	4	2	4	4	0	4	0	4	
Hyjet S4	0	0	0	4	1	1	1	4	0	4	0	4	0	0	0	2	0
Hyjet W	0	0	0	4	1	3	1	4	0	4	0	4	0	0	0	2	0
Hypochlorous Acid	4	0	0	4	2	1	1	1	0	4	2	4	2	0	4	0	0
Indole	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0
Industron FF44	1	0	2	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Industron FF48	1	0	2	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Industron FF53	1	0	2	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Industron FF80	1	0	2	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Ink	1	0	1	1	1	0	1	2	1	2	1	1	1	1	1	0	1
Insulin	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Iodic Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Iodine	0	1	4	4	2	1	1	1	1	1	2	2	4	1	2	1	3
Iodine Pentafluoride	4	0	4	4	4	3	2	4	4	4	4	4	4	0	4	4	4
Iodine, Tincture	0	0	4	2	1	0	1	1	2	1	1	1	1	1	1	0	2
Iodoform	4	0	3	4	1	2	1	3	2	0	1	0	4	1	4	0	0
Iron(III) Chloride	0	0	0	1	1	0	1	1	0	1	1	1	1	1	1	0	0
Isoamyl Acetate	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0	2
Isoamyl Butyrate	4	0	4	1	1	2	1	4	1	3	1	3	1	0	1	0	2
Isoamyl Valerate	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0	2
Isoboreol	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0
Isobutane	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2
Isobutanol	4	0	4	1	1	0	1	1	2	2	1	2	1	1	1	0	1
Isobutyl Acetate	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0	2
Isobutyl Alcohol	4	1	4	1	1	1	1	1	2	2	1	2	1	1	2	1	1
Isobutyl Chloride	0	0	0	4	4	1	1	2	0	4	0	4	0	0	0	4	0
Isobutyl Ether	0	0	0	3	4	3	1	4	0	2	0	2	0	0	0	4	0
Isobutyl Methyl Ketone	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0	2
Isobutyl N-Butyrate	4	0	0	4	1	1	1	1	1	4	1	4	4	0	4	1	0
Isobutyl Phosphate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Isobutylene	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0
Isobutyraldehyde	0	0	0	3	2	4	2	4	0	2	0	3	0	0	0	4	0
Isobutyric acid	0	0	0	4	2	2	1	3	0	1	0	2	0	0	0	3	2
Isocrotyl chloride	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0
Isodecanol	1	0	1	2	4	1	1	2	1	1	4	1	4	0	4	0	2
Isododecane	4	0	0	2	4	1	1	1	1	1	4	1	4	0	4	1	4

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