

# Simrit Chemical Compatibility Guide

Chemical Medium	ACM	AU	EPDM	FFKM	FVMQ	IIR	NR	SBR	VMQ								
	AEM	CR	ETP	FKM	HNBR	NBR	PTFE	TFE/P									
Myristic Acid	4	0	3	4	0	1	1	2	0	4	0	4	0	4	0	0	
Myristyl Alcohol	1	0	0	1	1	0	1	1	0	1	1	1	1	1	1	0	0
Naftolen ZD	0	0	0	4	4	0	1	1	0	2	4	2	4	1	4	0	0
Naphtha	2	4	4	4	4	1	1	1	2	4	4	2	4	1	4	2	4
Naphthalene	0	0	2	4	4	1	1	1	1	4	4	4	4	1	4	3	4
Naphthalene Chloride	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0
Naphthalene Sulfonic Acid	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0
Naphthalenic	0	0	0	4	4	0	1	1	1	0	4	2	4	1	4	1	4
Naphthalenic Acid	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0
Naphthalonic Acid	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0
Naphthenic Acid	0	0	0	4	4	1	1	1	1	2	4	2	4	0	4	1	4
Naphthoic Acid	0	0	0	0	0	0	1	1	1	2	0	2	0	1	0	0	0
Naptha	2	0	2	4	4	1	1	1	2	2	4	2	4	0	4	0	4
Natural Gas	2	1	2	1	4	1	1	1	3	1	4	1	4	1	3	1	2
Neatsfoot Oil	1	0	1	4	2	1	1	1	1	1	2	1	4	1	4	1	2
Neon	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Neville Acid	4	0	0	4	2	1	1	1	2	4	2	4	4	0	4	1	4
Neville-Winter Acid	0	0	0	0	2	1	1	1	2	0	0	4	0	0	0	1	4
Nickel Acetate	4	0	4	2	1	2	1	4	4	2	1	2	1	1	1	4	4
Nickel Ammonium Sulfate	4	0	4	1	1	1	1	2	1	3	1	1	1	0	1	1	2
Nickel Chloride	3	0	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1
Nickel Cyanide	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Nickel Nitrate	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0	2
Nickel Salts	3	0	3	2	1	1	1	1	1	1	1	1	1	0	1	1	1
Nickel Sulfate	4	0	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Nicotinamide	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0
Nicotinamide Hydrochloride	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Nicotine	4	0	3	4	0	1	1	2	2	0	4	0	4	0	4	0	0
Nicotine Sulfate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Niter Cake	4	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Nitric Acid, 0–50%	4	0	0	2	3	1	1	1	2	2	2	4	4	1	2	2	2
Nitric Acid, 3M to 158°F	4	0	4	4	2	2	2	2	4	4	2	4	0	0	3	0	4
Nitric Acid, 50–100%	0	0	0	0	4	1	1	2	4	0	0	4	0	0	0	3	4
Nitric Acid, Concentrated	0	0	4	4	4	2	1	4	0	4	4	4	4	1	4	2	0
Nitric Acid, Concentrd. to 158°F	4	0	4	4	4	4	4	4	4	4	4	4	4	0	4	0	4
Nitric Acid, Red Fuming	0	0	0	4	4	2	1	3	4	4	0	4	0	0	0	3	4

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

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

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Nitric Acid, White Fuming	0	0	4	4	4	2	2	4	0	4	4	4	1	4	0	0	
Nitroaniline	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Nitroaniline, Meta	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Nitrobenzene	4	4	4	4	4	1	1	3	4	4	4	4	4	1	4	1	4
Nitrobenzoic Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Nitrocellulose	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Nitrochlorobenzene	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Nitrochloroform	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Nitrodiethylaniline	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Nitroethane	4	0	4	2	2	3	1	4	4	4	2	4	2	1	2	1	4
Nitrofluorobenzene	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Nitrogen	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Nitrogen Dioxide	0	0	0	0	0	2	1	4	0	0	0	0	0	0	0	0	0
Nitrogen Oxides	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0	2
Nitrogen Tetroxide	4	0	4	4	4	3	2	4	4	4	3	4	4	1	4	3	4
Nitrogen Trifluoride	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0
Nitroglycerine	4	0	4	1	1	1	1	1	1	4	1	4	2	1	2	0	2
Nitroglycol	0	0	0	2	1	0	1	1	0	4	1	4	0	1	0	0	0
Nitroglycerol	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Nitroisopropylbenzene	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Nitromethane	4	0	4	3	2	3	1	4	4	4	2	4	2	1	2	3	4
Nitrophenol	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0	2
Nitropropane	4	0	4	4	2	3	1	4	4	4	2	4	2	1	2	2	4
Nitrothiophene	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Nitrotoluene	4	0	4	1	1	2	1	3	1	3	1	3	1	0	1	0	2
Nitrotoluene, Ortho	4	0	4	4	4	2	1	3	4	4	4	4	4	1	4	0	4
Nitrous Acid	4	0	4	1	1	2	1	3	1	3	1	3	1	0	1	0	2
Nitrous Gases	4	0	4	4	1	0	1	1	4	4	1	4	4	1	4	0	4
Nitrous Oxide	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1
Nivac 20, 30	0	0	0	1	1	1	1	1	0	1	0	1	0	0	0	1	0
Nonane	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2
Noryl GE Phenolic	0	0	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0
Nyvac FR200 Mobil	0	0	0	2	1	1	1	1	0	1	4	1	4	0	4	0	0
Octachlorotoluene	4	0	4	4	4	1	1	1	2	4	4	4	4	0	4	0	4
Octadecane	2	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Octafluorocyclobutane	0	0	0	0	1	2	2	2	0	0	0	0	0	0	0	0	0

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Octanal	1	0	1	2	4	3	1	4	1	1	4	1	4	0	4	0	2
Octane	4	0	4	4	4	1	1	1	2	1	4	2	4	1	4	0	4
Octyl Acetate	4	0	4	1	1	2	1	4	1	3	1	3	1	0	1	0	2
Octyl Alcohol	4	1	4	2	1	1	1	1	2	2	2	2	2	1	2	1	2
Octyl Chloride	1	0	1	2	4	1	1	2	1	1	4	1	4	0	4	0	2
Octyl Cresol	4	0	0	4	4	0	2	2	4	0	4	0	4	1	4	0	4
Octyl Phthalate	4	0	3	4	0	1	1	3	2	0	4	0	4	0	4	0	0
Oil of Turpentine	0	0	0	4	4	0	1	1	0	2	4	2	4	1	4	0	0
Olefins	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0
Oleic Acid	1	0	2	2	4	1	1	2	2	1	4	3	4	1	4	1	4
Oleum	4	4	4	4	4	1	1	2	2	4	2	4	4	1	4	1	4
Oleum Spirits	0	0	3	3	4	1	1	1	2	2	4	2	4	0	4	0	4
Oleyl Alcohol	1	0	4	1	1	1	1	1	1	1	1	1	1	1	1	0	1
Olive Oil	1	0	1	2	2	1	1	1	1	1	2	1	2	1	2	1	3
Oronite 8200	0	0	1	1	4	1	1	1	1	2	4	2	4	0	4	1	4
Oronite 8515	0	0	1	1	4	1	1	1	1	2	4	2	4	0	4	1	4
Orthochloroethyl Benzene	4	0	4	4	4	1	1	2	2	4	4	4	4	0	4	4	4
OS 70	0	0	4	1	4	1	1	1	2	2	4	2	4	0	4	1	4
OS45 Type 111, Silicate Ester Based	0	0	4	1	4	1	1	1	2	2	4	2	4	0	4	1	4
OS45 Type 1V	0	0	4	1	4	1	1	1	2	2	4	2	4	0	4	1	4
Oxalic Acid	0	1	2	2	1	1	1	1	1	2	1	2	3	1	2	1	2
Oxygen, Cold	2	0	1	1	1	1	1	1	1	2	1	2	2	1	2	4	1
Oxygen, Hot	4	0	4	4	4	1	1	2	1	4	4	4	4	1	4	4	2
Oxygen, Liquid	0	0	0	4	4	4	2	4	0	4	0	4	0	0	0	4	0
Ozonated Deionized Water	4	0	4	1	2	1	1	3	1	3	1	3	1	0	1	0	2
Ozone	2	1	1	2	1	1	1	1	1	3	2	4	4	1	4	1	1
Paint Thinner, Duco	4	0	4	4	4	1	1	3	2	4	4	4	4	0	4	3	4
Palm Kernel Fatty Acid	0	0	0	1	4	0	1	1	0	1	4	1	4	1	4	0	0
Palmitic Acid	0	0	1	2	2	1	1	1	1	1	4	1	4	1	4	1	4
Paraffin Emulsions	1	0	1	1	4	0	1	1	1	1	4	1	4	1	4	0	1
Paraffin Oil	1	0	1	1	4	0	1	1	1	1	4	1	4	1	4	0	1
Paraffins	1	0	1	1	4	1	1	1	1	1	4	1	4	1	4	0	2
Paraldehyde	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0	2
Par-Al-Ketone	4	0	4	4	4	3	2	4	4	4	4	4	4	0	4	4	4
Parathion	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0

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	AEM		CR		ETP		FKM		HNBR		NBR		PTFE		TFE/P		
Parker O-Lube	1	0	1	1	4	1	1	1	1	1	4	1	4	0	2	1	2
Peanut Oil	1	0	2	3	3	1	1	1	1	1	3	1	4	1	4	1	1
Pectin	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
Penicillin	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0
Pentachlorodiphenyl	0	0	0	4	4	0	0	0	0	4	4	4	4	1	4	0	0
Pentachloroethane	4	0	3	4	0	1	1	2	2	0	4	0	4	0	4	0	0
Pentachlorophenol	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	2
Pentaerythritol	4	0	4	1	1	1	1	1	1	3	1	1	1	0	1	1	2
Pentaerythritol Tetranitrate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Pentafluoroethane	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0
Pentane	1	0	4	1	4	1	1	1	3	1	4	1	4	1	3	0	4
Pentane, 2-4-Dimethyl	1	0	4	2	4	1	1	1	3	1	4	1	4	0	4	0	4
Pentane, 2-Methyl	1	0	4	2	4	1	1	1	3	1	4	1	4	0	4	0	4
Pentane, 3-Methyl	1	0	4	2	4	1	1	1	3	1	4	1	4	0	4	0	4
Pentyl Pentanoate	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2
Peracetic Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Peracetic Acid, < 1%	4	0	4	4	1	0	1	1	4	4	4	4	4	1	4	0	4
Peracetic Acid, < 10%	4	0	4	4	2	0	1	0	4	4	4	4	4	1	4	0	4
Perchloric Acid	4	0	4	4	2	1	1	1	1	4	1	4	4	1	4	1	4
Perchloroethylene	4	0	4	4	4	1	1	1	2	4	4	2	4	1	4	4	4
Perfluoropropane	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0
Perfluorotriethylamine	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0
Petro Oil, Crude Above 250	0	0	0	4	4	0	1	2	0	4	0	4	0	0	0	2	0
Petro Oil, Crude Below 250	0	0	0	2	4	0	1	1	0	1	0	1	0	0	0	1	0
Petrol	2	0	1	2	4	0	1	1	1	2	4	2	4	1	4	0	4
Petrol/Benzene Mixture, 50/50%	4	0	2	4	4	0	1	1	2	4	4	4	4	1	4	0	4
Petrol/Benzene Mixture, 60/40%	4	0	2	4	4	0	1	1	2	4	4	4	4	1	4	0	4
Petrol/Benzene Mixture, 70/30%	2	0	1	4	4	0	1	1	1	4	4	2	4	1	4	0	4
Petrol/Benzene Mixture, 80/20%	2	0	1	4	4	0	1	1	1	4	4	2	4	1	4	0	4
Petrol/Benzene/Ethanol, 50/30/20%	4	0	4	4	4	0	1	0	2	4	4	4	4	1	4	0	4
Petrolatum	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	4
Petrolatum Ether	1	0	1	2	4	1	1	2	1	1	4	1	4	0	4	0	2

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Petroleum < 121°C/250°F	1	0	1	2	4	1	1	2	2	1	4	1	4	1	2		
Petroleum > 121°C/250°F	1	0	1	2	4	2	1	3	4	1	4	4	1	4	2	4	
Petroleum Ether	1	0	1	2	4	0	1	1	1	2	4	1	4	1	4	0	2
Petroleum Oil, Above 250°F	4	0	4	4	4	1	1	2	4	4	4	4	4	0	4	0	4
Petroleum Oil, Below 250°F	2	0	2	2	4	1	1	1	2	1	4	1	4	1	4	0	2
Petroleum Oil, Crude	1	0	1	2	4	1	1	2	1	1	4	1	4	0	4	1	4
Phenetole	0	0	0	0	4	4	1	4	4	0	0	4	0	0	0	4	4
Phenol	4	4	4	4	4	1	1	1	2	4	4	4	4	0	4	1	4
Phenol, 70%	4	0	4	4	4	1	1	1	2	4	4	4	4	0	4	0	4
Phenol, 85%	4	0	4	4	4	1	1	2	2	4	4	4	4	1	4	0	4
Phenolic Sulfonate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Phenolsulfonic Acid	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0	2
Phenyl Amine	4	0	4	4	2	1	1	2	3	4	2	4	4	1	4	2	4
Phenyl Ethyl Ether	4	0	4	4	4	0	2	4	4	4	4	4	4	1	4	4	4
Phenyl Hydrazine	0	0	0	4	4	0	1	2	0	2	4	2	4	1	4	1	0
Phenylacetamide	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0
Phenylacetate	4	0	4	1	1	2	1	4	1	3	1	3	1	0	1	0	2
Phenylacetic Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Phenylbenzene	4	0	4	4	4	1	1	1	2	4	4	4	4	0	4	3	4
Phenylenediamine	0	0	0	0	0	3	1	4	0	0	0	0	0	0	0	0	0
Phenylethyl Alcohol	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0
Phenylethyl Ether	4	0	4	4	4	2	1	4	4	4	4	4	4	0	4	4	4
Phenylethyl Malonic Ester	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0
Phenylglycerine	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Phenylhydrazine	4	0	0	4	4	2	1	3	0	4	4	4	1	1	2	1	4
Phenylhydrazine Chlorhydrate	0	0	0	4	1	0	2	2	0	2	1	2	4	1	4	0	0
Phenylhydrazine Hydrochloride	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Phenylmercuric Acetate	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0	2
Phorone	4	0	4	4	1	3	1	4	4	4	3	4	4	0	4	4	4
Phosgene	0	0	0	0	0	4	1	4	0	0	0	0	0	1	0	0	0
Phosphine	0	0	0	2	1	1	1	2	0	4	1	4	1	1	0	0	0
Phosphoric Acid	3	2	0	3	1	0	1	1	3	4	1	4	2	1	1	1	4
Phosphoric Acid, 20%	0	0	0	0	1	1	1	1	2	0	0	4	0	0	0	1	3
Phosphoric Acid, 3M to 158°F	3	0	4	2	1	1	1	1	2	1	1	1	0	0	2	1	2
Phosphoric Acid, 80%	0	0	0	0	1	1	1	1	3	0	0	4	0	0	0	1	4

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	AEM	CR	ETP	FKM	HNBR	NBR	PTFE	TFE/P									
Phosphoric Acid, Concentrated Room Temp	2	0	4	2	1	1	1	1	3	2	1	2	0	0	1	0	3
Phosphoric Acid, Concentrated to 158°F	3	0	4	3	1	1	1	1	3	4	1	4	0	0	2	0	4
Phosphorous Oxychloride	0	0	0	0	0	1	1	0	0	4	0	4	0	1	0	0	0
Phosphorous Trichloride	4	0	0	4	1	1	1	1	1	4	1	4	1	1	4	1	0
Phosphorous Trichloride Acid	0	0	0	4	1	1	1	1	0	4	0	4	0	0	0	1	0
Photographic Developer	0	0	0	2	1	0	1	1	0	2	1	2	1	1	1	0	0
Photographic Emulsions	0	0	0	1	1	0	1	1	0	1	1	1	1	1	1	0	0
Photographic Fixing Baths	0	0	0	2	1	0	1	1	0	2	1	2	1	1	1	0	0
Phthalic Acid	4	0	4	2	1	1	1	2	1	1	1	1	4	1	1	0	2
Phthalic Anhydride	4	0	4	1	2	3	1	4	1	3	1	3	1	0	1	3	2
Pickling Solution	4	0	4	4	3	1	1	1	4	4	2	4	4	1	4	2	4
Picric Acid	0	0	2	1	2	1	1	1	2	2	2	2	2	1	2	0	4
Picric Acid, Aqueous	0	0	0	2	1	1	1	1	1	1	1	1	1	1	1	0	1
Picric Acid, Molten	0	0	0	2	2	1	1	1	2	2	2	2	2	0	2	0	4
Pine Needle Oil	1	0	1	4	4	0	1	1	1	2	4	2	4	1	4	0	2
Pine Oil	1	0	1	4	4	1	1	1	1	1	4	1	4	1	4	1	4
Pine Tar	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2
Pinene	4	0	2	3	4	1	1	1	1	2	4	2	4	1	4	1	4
Piperazine	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0
Piperidine	4	0	3	4	4	3	1	4	4	4	4	4	4	1	4	0	4
Plating Solution, Chrome	4	0	4	4	2	1	1	1	2	4	2	4	4	0	4	1	4
Plating Solution, Cobalt	0	0	0	1	1	1	1	1	0	1	0	1	0	0	0	1	0
Plating Solution, Copper	0	0	0	1	1	1	1	1	0	1	0	1	0	0	0	1	0
Plating Solution, Gold	0	0	0	1	1	1	1	1	0	1	0	1	0	0	0	1	0
Plating Solution, Indium	0	0	0	1	1	1	1	1	0	1	0	1	0	0	0	1	0
Plating Solution, Iron	0	0	0	1	1	1	1	1	0	1	0	1	0	0	0	1	0
Plating Solution, Lead	0	0	0	1	1	1	1	1	0	1	0	1	0	0	0	1	0
Plating Solution, Nickel	0	0	0	1	1	1	1	1	0	1	0	1	0	0	0	1	0
Plating Solution, Others	0	0	0	4	1	1	1	1	0	1	1	1	4	0	4	1	4
Plating Solution, Silver	0	0	0	1	1	1	1	1	0	1	0	1	0	0	0	1	0
Plating Solution, Tin	0	0	0	1	1	1	1	1	0	1	0	1	0	0	0	1	0
Plating Solution, Zinc	0	0	0	1	1	1	1	1	0	1	0	1	0	0	0	1	0
Pneumatic Service	4	0	1	1	1	1	1	1	4	1	1	1	4	0	4	1	4
Polyethylene Glycol	0	0	0	2	1	1	1	1	0	2	0	2	0	0	0	1	0

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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

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									
Polyglycerol	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Polyglycol	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Polyvinyl Acetate Emulsion	0	0	0	2	1	3	1	3	0	1	1	1	2	0	4	1	0
Potash, Aqueous	0	0	0	2	1	0	1	1	1	1	1	1	1	1	1	0	1
Potassium Acetate	4	0	2	2	1	3	1	4	4	2	1	2	1	1	1	0	4
Potassium Acid Sulfate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium Alum	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium Aluminum Sulfate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium Antimonate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium Bicarbonate	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0	2
Potassium Bichromate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium Bifluoride	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium Bisulfate	4	0	4	2	1	1	1	1	1	1	1	1	1	1	1	0	2
Potassium Bisulfite	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0	2
Potassium Bitartrate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium Borate, Aqueous	0	0	4	2	1	0	1	1	0	1	1	1	1	1	1	0	0
Potassium Bromate, 10%	0	0	4	2	1	0	1	1	0	1	1	1	1	1	1	0	0
Potassium Bromide	4	0	4	2	1	1	1	2	1	1	1	1	1	1	1	0	2
Potassium Carbonate	4	0	4	2	1	1	1	2	1	1	1	1	1	1	1	0	1
Potassium Chlorate	4	0	4	2	1	1	1	2	1	4	1	4	2	1	2	0	2
Potassium Chloride	1	0	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium Chromate	4	0	4	2	1	1	1	2	1	2	1	2	1	1	1	0	2
Potassium Citrate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium Copper Cyanide	0	0	0	0	1	1	1	1	1	0	0	1	0	0	0	1	1
Potassium Cupro Cyanide	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Potassium Cyanate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium Cyanide	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium Dichromate	1	0	2	1	1	1	1	1	1	1	1	1	4	1	2	1	1
Potassium Diphosphate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium Ferricyanide	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	2
Potassium Fluoride	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0	2
Potassium Glucocyanate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium Hydroxide	4	0	4	2	1	1	1	4	3	2	1	2	2	0	2	1	3
Potassium Hypochlorite	4	0	4	1	1	2	1	4	1	3	1	3	1	0	1	0	2
Potassium Iodate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium Iodide	4	0	4	2	1	1	1	1	1	1	1	1	2	1	1	0	2

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

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Chemical Medium	ACM	AU	EPDM		FFKM		FVMQ		IIR		NR		SBR		VMQ		
	AEM	CR	ETP	FKM	HNBR	NBR	PTFE	TFE/P									
Potassium Metabisulfate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium Metachromate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium Monochromate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium Nitrate	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium Nitrite	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium Oxalate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium Perchlorate	4	0	4	2	1	1	1	1	1	4	1	4	4	1	4	0	2
Potassium Perfluoro Acetate	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0
Potassium Permanganate	4	0	4	2	1	1	1	2	1	4	1	4	4	1	2	0	2
Potassium Persulfate	4	0	4	4	1	1	1	1	1	4	1	4	4	1	2	0	2
Potassium Phosphate, Acidic	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium Phosphate, Alkaline	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium Phosphate, Dibasic or Tribasic	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium Pyrosulfate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium Salts	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Potassium Sodium Tartrate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium Stannate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium Stearate	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	2
Potassium Sulfate	4	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium Sulfide	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0	2
Potassium Sulfite	4	0	1	1	1	1	1	1	1	1	1	1	2	0	2	0	1
Potassium Tartrate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium Thiocyanate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium Thiosulfate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium Triphosphate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Potassium, Molten	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0
Prestone Antifreeze	4	0	4	1	1	1	1	2	1	1	1	1	1	0	1	2	1
PRL-High Temp, Hydraulic Oil	1	0	2	2	4	1	1	1	1	2	4	2	4	0	4	1	2
Producer Gas	2	0	1	2	4	1	1	1	2	1	4	1	4	2	4	1	2
Propane	1	1	1	2	4	1	1	1	2	1	4	1	4	1	4	1	4
Propanoic Acid Nitrile	4	0	4	4	4	3	1	3	4	4	4	4	3	1	3	2	4
Propanol	4	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Propanone (2-Propanone)	4	4	4	4	1	3	1	4	4	4	1	4	1	1	1	4	4
Propargyl Alcohol	0	0	0	1	1	0	1	1	0	1	1	1	2	1	0	0	0
Propionaldehyde	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0	2

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Chemical Medium	ACM	AU	EPDM	FFKM	FVMQ	IIR	NR	SBR	VMQ								
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Propionic Acid	4	0	4	2	1	2	1	4	1	1	1	1	1	1	0	2	
Propionitrile	0	0	0	2	4	3	1	4	0	1	0	1	0	0	0	1	0
Propyl Acetate	4	0	4	4	2	3	1	4	4	4	2	4	4	4	4	4	4
Propyl Acetone	4	0	4	4	1	2	1	4	4	4	1	4	4	0	4	4	4
Propyl Nitrate	4	0	0	4	2	1	1	1	4	4	2	4	4	0	4	0	4
Propyl Propionate	4	0	4	1	2	4	1	4	4	3	1	4	1	0	1	0	4
Propylamine	4	0	4	1	1	3	2	4	1	3	1	3	1	0	1	0	2
Propylbenzene	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0
Propylene	4	0	4	4	4	1	1	1	2	4	4	4	4	1	4	1	4
Propylene Chloride	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0
Propylene Chlorohydrin	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0
Propylene Dichloride	4	0	3	4	0	1	1	2	2	0	4	0	4	0	4	0	0
Propylene Glycol	4	0	4	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Propylene Imine	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0
Propylene Oxide	4	0	4	4	2	4	1	4	4	4	2	4	4	1	4	4	4
PRS-3000	0	0	0	0	2	1	1	2	2	0	0	0	0	0	0	0	2
Pydraul 10E	4	0	4	4	1	1	2	1	4	4	1	4	4	1	4	1	1
Pydraul 115E	4	0	4	4	1	1	2	1	3	4	1	4	4	0	4	1	4
Pydraul 230C, 312C, 540C & A200	4	4	4	4	4	1	2	1	4	4	4	4	4	1	4	1	4
Pydraul 29ELT, 30E, 50E, 65E & 90E	4	4	4	4	1	1	2	1	1	4	2	4	4	1	4	1	1
Pyranol Transformer Oil	1	1	2	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Pyridine	4	0	4	4	2	3	1	4	4	4	4	4	4	1	4	2	4
Pyridine Oil	4	0	0	4	2	4	4	4	4	4	2	4	4	0	4	0	4
Pyridine Sulfate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Pyridine Sulfonic Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Pyrogallol	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Pyrogard 42, 43, 53 & 55	4	0	4	4	1	1	1	2	4	4	1	4	4	1	4	2	4
Pyrogard C&D	0	0	1	2	4	1	1	1	2	1	4	1	4	0	4	1	3
Pyroligneous Acid	4	0	4	2	2	3	1	4	4	4	2	4	4	0	4	4	0
Pyrolube	4	0	4	4	2	1	1	1	2	4	2	4	4	0	4	1	2
Pyrosulfuric Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Pyrosulfuryl Chloride	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Pyrrole	4	0	0	4	4	2	1	4	4	4	4	4	4	1	4	0	2
Pyruvic Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2

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	AEM	CR	ETP	FKM	HNBR	NBR	PTFE	TFE/P									
Quinidine	4	0	3	4	4	1	1	2	2	4	2	4	0	4	0	0	
Quinine	4	0	3	4	4	1	1	2	2	4	2	4	0	4	0	0	
Quinine Bisulfate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Quinine Hydrochloride	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Quinine Sulfate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Quinine Tartrate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Quinizarin	4	0	3	4	4	1	1	2	2	4	2	4	0	4	0	0	
Quinoline	4	0	3	4	4	1	1	2	2	4	2	4	0	4	0	0	
Quinone	4	0	3	4	4	1	1	2	2	4	2	4	0	4	0	0	
Radiation, Gamma, 1.0 E+07 Rads	3	1	4	3	2	4	2	4	4	3	4	3	4	1	3	1	2
Raffinate	4	0	3	4	4	1	1	2	2	4	2	4	0	4	0	0	
Rapeseed Oil	2	0	2	2	1	1	1	1	2	1	2	4	1	4	1	4	
Red Line 100 Oil	1	0	1	2	4	1	1	1	1	4	1	4	0	4	1	4	
Red Oil (MIL-H-5606)	1	0	1	3	3	1	1	1	1	4	1	4	1	4	1	4	
Resorcinol	4	0	4	1	4	1	1	1	3	1	4	1	0	1	1	2	
Riboflavin	4	0	3	4	4	1	1	2	2	4	2	4	0	4	0	0	
Ricinoleic Acid	4	0	3	4	4	1	1	2	2	4	2	4	0	4	0	0	
Rosin	4	0	3	4	4	1	1	2	2	4	2	4	0	4	0	0	
Saccharin Solution	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sagrotan	0	0	4	2	1	0	1	1	1	2	1	2	1	1	1	0	1
Sal Ammoniac	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	2
Salicylic Acid	0	0	1	1	1	1	1	1	2	1	2	1	1	1	1	1	0
Salt Water	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Santosafe 300	4	0	0	4	3	1	1	1	1	4	3	4	4	0	4	1	1
Sea Salt	0	0	0	2	1	0	1	1	0	1	0	1	0	0	0	1	0
Sea Water	4	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
Sebacic Acid	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	2
Selenic Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Selenious Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sewage	4	0	4	2	1	1	1	1	1	1	1	1	1	0	1	1	1
SF 1147 GE Silicone Fluid	0	0	0	0	3	1	1	1	0	2	3	2	0	0	0	0	4
SF 1154 GE Silicone Fluid	1	0	2	1	1	1	1	1	1	2	1	2	1	0	1	0	4
SF 96 GE Silicone Fluid	1	0	2	1	1	1	1	1	1	2	1	2	1	0	1	0	4
Shell 3XF Mine Fluid	4	0	4	2	4	1	1	1	1	1	4	1	4	0	4	1	0
Shell Alvania Grease	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	2

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