
CHEMICAL COMPATIBILITY GUIDE

IMPORTANT NOTICE

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We reference this data as it is highly effective and beneficial for our industry.

Simrit is a trusted market leader in elastomer technology with decades of experience, and we have confidence in their expertise.

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Freudenberg and NOK Group

Simrit Sealing Products

Simrit is the industrial sealing products division of Freudenberg–NOK that is dedicated to serving industrial distributors and OEMs. Simrit products are manufactured within the Freudenberg and NOK Group Companies, known for their world-class quality and reliability. Simrit’s manufacturing and design expertise, coupled with exceptional customer service and field engineering

support, enables us to provide our customers with superior sealing components and total system sealing solutions that exceed their expectations. The Simrit North America facilities are certified with industry standard certifications including AS9000, QS9000/ISO9001, and BQMS/D1-9000.



Properties of Commonly Used Elastomers

Material Name	Simriz	Super FKM	Aflas	Fluoro-carbon	Ethylene Propylene	Nitrile	Silicone	Fluoro-silicone
ASTM D1418 Designation	FFKM	ETP	TFE/P	FKM	EPDM	NBR	VMQ	FVMQ
TYPICAL COLORS								
	Black White Clear	Black White	Black	Black White Brown Green	Black Purple	Black	Red White	Blue
OPERATING TEMPERATURE RANGE								
Low Temperature	-20°C -4°F	-20°C -4°F	-10°C +14°F	-40°C -40°F	-55°C -67°F	-50°C -58°F	-75°C -103°F	-65°C -85°F
High Temperature	300°C 572°F	200°C 392°F	200°C 392°F	250°C 482°F	150°C 302°F	120°C 248°F	230°C 446°F	180°C 356°F
PHYSICAL PROPERTIES								
Abrasion Resistance	3	2	2	2	1	2	4	4
Permeation Resistance	2	2	2	1	2	2	4	4
Compression Set Resistance	2	2	2	1	2	1	1	1
Tear Resistance	3	3	3	3	1	2	4	4
CHEMICAL COMPATIBILITY								
Inorganic								
Acids	1	1	1	1	1	2	3	2
Bases	1	2	1	4	1	2	3	3
Organic								
Acids	1	1	1	1	1	2	3	2
Alcohols	1	1	1	3	1	1	1	1
Aldehydes	1	2	4	3	1	3	2	4
Amines	2	2	1	4	1	4	2	4
Aromatic Hydrocarbons	1	1	4	1	4	3	4	1
Ether	1	3	4	4	3	4	4	3
Halogenides	2	1	4	1	4	4	4	4
Ketone	1	3	4	4	1	4	4	4
Water	1	1	1	1	1	1	1	1
Steam (<149°C/300°F)	1	2	2	2	1	4	3	4
Steam (>149°C/300°F)	2	3	3	4	4	4	4	4

Rating System

Rating	Description	Volume Change	Comments
1	Little or no effect	<10%	Elastomer may exhibit swelling and/or loss of physical properties under severe conditions.
2	Possible loss of physical properties	10–20%	Elastomer may exhibit swelling in addition to a change in physical properties. May be suitable for static applications.
3	Noticeable change	20–40%	Elastomer exhibits a noticeable change in swelling and physical properties. Questionable performance in most applications.
4	Excessive change	>40%	Elastomer not suitable for service.
0	Insufficient information		Insufficient information available for rating.

Chemical Compatibility Tables

This guide is intended to assist the user in determining the suitability of various elastomers in many different chemical environments. The ratings are based on a combination of published literature, laboratory tests, actual field experience, and informed judgments. As laboratory test do not necessarily predict end-use performance, users of Simrit products should conduct their own evaluations to determine application suitability.

Note: Volume swell is only one indicator of elastomer fluid compatibility and may be based on the solubility parameter alone. Fluid attack on the backbone of the polymer may show up as change a in physical properties such as Tensile Strength, Elongation at Break, and Hardness.

Elevated temperature and extended exposure times may create more aggressive conditions than cited in this guide. In some cases, specific elastomer compounds within a material family may provide improved compatibility. Please contact Simrit Technical Support Group for assistance in choosing the right elastomer for your application.

The information given in this chemical compatibility guide is believed to be reliable, but no representation, guarantees or warranties of any kind are made to its accuracy or suitability for any purpose.



Simrit Chemical Compatibility Guide

Chemical Medium	ACM		AU		EPDM		FFKM		FVMQ		IIR		NR		SBR		VMQ	
	AEM		CR		ETP		FKM		HNBR		NBR		PTFE		TFE/P			
Acetaldehyde	4	0	4	3	2	3	2	4	4	3	2	4	2	1	3	4	2	
Acetamide	4	1	4	1	1	1	1	2	1	1	2	1	4	1	4	2	2	
Acetanilide	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2	
Acetic Acid Amide	4	1	4	1	1	3	1	3	1	1	2	1	4	1	4	2	2	
Acetic Acid Ethyl Ester	0	0	0	2	2	4	1	4	0	2	0	4	0	1	0	4	0	
Acetic Aid Methyl Ester	4	4	4	2	2	4	1	4	4	4	2	4	4	1	4	4	4	
Acetic Acid, 25% to 60%	0	0	0	0	1	2	1	3	2	4	1	2	4	1	4	0	1	
Acetic Acid, 5%	4	0	4	1	1	1	1	1	2	2	1	2	2	0	2	1	1	
Acetic Acid, 85%	0	0	0	0	0	0	1	3	0	4	0	4	4	1	4	0	0	
Acetic Acid, Glacial	4	4	4	4	2	2	1	4	4	2	2	2	4	1	4	3	1	
Acetic Aldehyde	4	0	4	3	2	4	2	4	4	3	2	4	2	1	3	4	2	
Acetic Anhydride	4	3	4	2	2	3	1	4	4	4	1	4	2	1	1	2	3	
Acetic Ester	4	0	4	4	2	3	1	4	4	4	4	4	4	1	4	4	2	
Acetoacetic Acid	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0	2	
Acetol	4	0	4	2	1	4	1	4	4	4	1	4	1	1	1	4	4	
Acetone	4	4	4	4	1	2	1	4	4	4	1	4	1	1	1	4	4	
Acetone Cyanohydrin	4	0	4	1	1	2	1	4	1	3	1	3	1	0	1	0	2	
Acetonitrile	4	0	4	2	1	2	1	4	1	3	1	3	1	0	1	1	2	
Acetophenetidine	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	
Acetophenone	4	0	4	4	1	3	1	4	4	4	2	4	4	1	4	4	4	
Acetotoluidide	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	
Acetyl Acetone	4	0	4	4	1	3	1	4	4	4	1	4	4	0	4	4	4	
Acetyl Benzene	4	0	4	4	1	4	1	4	4	4	2	4	4	1	4	4	4	
Acetyl Bromide	4	0	4	4	1	1	1	1	4	4	1	4	4	0	4	2	4	
Acetyl Chloride	4	0	4	4	4	1	1	1	1	4	4	4	4	1	4	1	3	
Acetylene	1	0	4	2	1	1	1	1	1	1	1	1	2	1	2	1	2	
Acetylene Dichloride	4	0	3	4	4	1	1	2	2	2	4	2	4	0	4	0	0	
Acetylene Tetrabromide	0	0	4	2	1	1	1	1	2	4	1	4	0	0	4	1	4	
Acetylene Tetrachloride	4	0	4	4	1	1	1	1	2	4	4	4	4	1	4	4	4	
Acetylsalicylic Acid	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	
Acrolein	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0	2	
Acryimide	4	1	4	1	1	3	1	3	1	1	2	1	4	1	4	2	2	
Acrylic Acid, Ethyl Ester	4	0	4	4	3	4	1	4	4	4	2	2	4	1	4	4	4	
Acrylonitrile	4	0	4	4	4	3	1	4	4	4	4	4	3	1	3	2	4	
Adipic Acid	0	0	0	1	2	1	1	2	1	1	1	1	1	1	1	2	0	
Aero Lubriplate	1	0	1	1	4	1	1	1	1	1	4	1	4	0	2	1	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									
Aero Shell 17 Grease	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	2
Aero Shell 1AC Grease	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	2
Aero Shell 750	2	0	4	4	4	1	1	1	2	2	4	2	4	0	4	1	4
Aero Shell 7A Grease	1	0	1	2	4	1	1	1	1	2	4	2	4	0	4	1	2
Aerosafe 2300	4	0	4	4	1	3	1	4	3	4	2	4	4	0	4	3	3
Aerosafe 2300w	4	0	4	4	1	3	1	4	3	4	2	4	4	0	4	2	3
Aerozene 50, 50% Hydrazine 50% UDMH	0	0	4	4	1	3	2	4	4	3	1	3	4	0	4	2	4
Air below 200°F	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1	1
Air, 200–300° F	2	0	3	2	2	1	1	1	1	3	2	3	4	0	4	1	1
Air, 300–400° F	4	0	4	4	4	1	1	1	1	4	4	4	4	0	4	1	1
Air, 400–500° F	4	0	4	4	4	2	2	3	4	4	4	4	4	0	4	3	2
Air, Oil-Containing	1	0	1	1	4	0	1	1	1	1	4	1	4	1	2	0	1
Aliphatic Dicarboxylic Acid	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Alkanes	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2
Alkanesulfonic Acid	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2
Alkazene	4	0	4	4	4	1	1	2	2	4	4	4	4	1	4	2	4
Alkenes	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Alkyl Acetone	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0	2
Alkyl Alcohol	1	0	1	2	4	1	1	4	1	1	4	1	4	0	4	0	2
Alkyl Amine	1	0	1	2	4	2	1	4	1	1	4	1	4	0	4	0	2
Alkyl Aryl Sulfonates	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2
Alkyl Aryl Sulfonics	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2
Alkyl Benzene	4	0	3	4	4	1	1	2	2	2	4	2	4	0	4	0	0
Alkyl Chloride	4	0	3	4	4	1	1	2	2	2	4	2	4	0	4	0	0
Alkyl Naphthalene Sulfonic Acid	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2
Alkyl Sulfide	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Allyl Alcohol	0	0	4	2	1	0	1	4	0	2	1	2	1	1	1	0	0
Allyl Chloride	0	0	0	1	1	2	1	2	0	2	0	2	0	0	0	2	0
Allylidene Diacetate	4	0	4	1	1	2	1	3	1	3	1	3	1	0	1	0	2
Alpha Picoline	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Alum Potash	4	0	4	2	1	1	1	4	3	2	1	2	2	0	2	1	3
Aluminum Acetate	4	0	4	2	1	3	1	4	4	2	1	2	1	1	2	1	4
Aluminum Bromide	1	0	3	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Aluminum Chlorate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Aluminum Chloride	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	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%)

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	AEM	CR	ETP	FKM	HNBR	NBR	PTFE	TFE/P									
Aluminum Fluoride	0	0	3	1	1	1	1	1	1	1	1	2	1	1	1	2	
Aluminum Formate	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0	2
Aluminum Hydrate	0	0	0	3	2	2	1	2	0	2	0	2	0	0	0	1	2
Aluminum Hydroxide	0	0	0	3	2	1	1	1	0	2	0	2	0	0	0	1	2
Aluminum Linoleate	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2
Aluminum Nitrate	0	0	3	1	1	1	1	1	0	1	1	1	1	1	1	1	2
Aluminum Oxalate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Aluminum Phosphate	0	0	0	1	1	1	1	1	0	1	0	1	0	0	0	1	1
Aluminum Potassium Sulfate	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0	2
Aluminum Salts	1	0	3	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Aluminum Sodium Sulfate	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0	2
Aluminum Sulfate	4	1	4	1	1	1	1	1	1	1	1	1	1	1	2	1	1
Alums	4	0	0	1	1	1	1	1	4	1	1	1	4	1	1	2	1
Ambrex 33	1	0	2	2	4	1	1	1	3	1	4	1	4	0	4	1	4
Ambrex 830	1	0	1	2	3	1	1	1	1	1	3	1	4	0	4	1	2
Amines Mixed (Allyl, Ethyl, etc.)	4	0	4	2	2	3	1	4	4	4	2	4	2	0	2	2	2
Amino Benzene	4	0	4	4	2	1	1	2	3	4	2	4	4	1	4	2	4
Aminobenzoic Acid	0	0	0	4	2	2	1	2	0	4	0	4	0	0	0	1	0
Aminoethanol (2-Aminoethanol)	4	0	3	2	2	4	1	4	4	2	2	4	2	0	2	0	2
Aminomethane	4	0	4	1	1	1	1	4	1	4	1	4	2	1	2	0	2
Aminopyridine	0	0	0	4	2	4	1	4	0	4	0	4	0	0	0	3	0
Ammonia	4	4	4	1	1	4	2	4	4	2	1	2	1	1	1	2	2
Ammonia and Lithium Metal in Solution	4	0	4	4	2	4	4	4	4	2	2	4	4	0	4	4	4
Ammonia Gas, Cold	4	4	2	1	1	2	1	4	4	1	1	1	1	1	1	1	1
Ammonia Gas, Hot	4	4	4	2	2	2	1	4	4	4	2	4	4	1	4	2	1
Ammonia, Anhydrous Liquid	4	0	4	1	1	2	1	4	4	2	1	2	4	0	4	3	2
Ammonium Acetate	4	0	4	2	1	3	1	4	1	1	1	1	1	1	1	0	2
Ammonium Arsenate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Ammonium Benzoate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Ammonium Bicarbonate	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0	2
Ammonium Bisulfite	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Ammonium Bromide	0	0	1	1	1	1	1	1	0	1	1	1	1	0	1	1	0
Ammonium Carbamate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Ammonium Carbonate	4	0	4	1	1	1	1	1	0	1	1	4	1	1	1	1	3
Ammonium Chloride	1	1	4	1	1	1	1	1	4	1	1	1	1	1	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

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Chemical Medium	ACM	AU	EPDM	FFKM	FVMQ	IIR	NR	SBR	VMQ							
	AEM	CR	ETP	FKM	HNBR	NBR	PTFE	TFE/P								
Ammonium Citrate, Dibasic	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Ammonium Dichromate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Ammonium Diphosphate	4	0	4	1	1	1	1	1	3	1	3	1	0	1	0	2
Ammonium Fluoride	0	0	1	2	1	1	1	1	0	1	2	1	4	1	1	0
Ammonium Formate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Ammonium Hydroxide, 3 Molar	4	0	4	1	1	2	2	3	1	1	1	1	2	0	2	2
Ammonium Hydroxide, Concentrated	4	4	4	1	1	1	2	1	4	1	4	3	1	3	1	1
Ammonium Hydroxide, Grade 2	0	0	0	1	1	0	1	2	0	3	0	3	0	0	0	1
Ammonium Iodide	0	0	1	1	1	1	1	1	0	1	1	1	1	0	1	1
Ammonium Lactate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Ammonium Metaphosphate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Ammonium Molybdenate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Ammonium Nitrate	2	0	0	1	1	1	1	3	1	1	1	4	1	1	1	2
Ammonium Nitrite	0	0	0	1	1	1	3	0	1	1	1	1	0	1	2	2
Ammonium Oxalate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Ammonium Perchlorate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Ammonium Persulfate	4	0	4	1	1	1	1	1	4	1	4	1	1	4	1	4
Ammonium Phosphate	0	1	4	1	1	1	1	1	0	1	1	1	1	1	1	2
Ammonium Phosphate, Dibasic	0	0	0	1	1	1	1	1	0	1	1	1	1	0	1	1
Ammonium Phosphate, Monobasic	0	0	0	1	1	1	1	1	0	1	1	1	1	0	1	2
Ammonium Phosphate, Tribasic	0	0	0	1	1	1	1	1	0	1	1	1	1	0	1	2
Ammonium Phosphite	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Ammonium Picrate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Ammonium Polysulfide	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Ammonium Salicylate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Ammonium Salts	3	0	0	1	1	2	1	3	3	1	1	1	1	0	1	1
Ammonium Sulfamate	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0
Ammonium Sulfate	4	1	4	1	1	1	2	1	1	1	1	4	1	2	1	1
Ammonium Sulfate Nitrate	4	0	0	1	1	1	1	4	0	1	1	1	1	0	2	2
Ammonium Sulfide	4	0	4	1	1	1	1	2	0	1	1	1	4	1	2	1
Ammonium Sulfite	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0
Ammonium Thiocyanate	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0
Ammonium Thioglycollate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Ammonium Thiosulfate	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0

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	AEM	CR	ETP	FKM	HNBR	NBR	PTFE	TFE/P								
Ammonium Tungstate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Ammonium Valerate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Amyl Acetate	4	4	4	4	1	2	1	4	4	4	2	4	1	1	4	4
Amyl Alcohol	4	0	4	2	1	1	1	2	1	2	1	2	1	1	2	1
Amyl Borate	0	0	0	1	4	1	1	1	0	1	4	1	4	1	4	1
Amyl Butyrate	1	0	1	2	4	1	1	2	1	1	4	1	4	0	4	0
Amyl Chloride	4	0	0	4	4	1	1	1	2	1	4	1	4	0	4	1
Amyl Chloronaphthalene	4	0	4	4	4	1	1	1	2	4	4	4	4	1	4	2
Amyl Cinnamic Aldehyde	4	0	3	4	4	3	1	4	2	2	4	2	4	0	4	0
Amyl Hydride	1	0	4	1	4	1	1	1	3	1	4	1	4	1	3	0
Amyl Laurate	4	0	3	4	4	1	1	2	2	2	4	2	4	0	4	0
Amyl Mercaptan	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0
Amyl Naphthalene	2	0	4	4	4	1	1	1	1	4	4	4	4	0	4	2
Amyl Nitrate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0
Amyl Nitrite	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0
Amyl Phenol	0	0	0	0	0	1	1	1	0	0	4	4	4	1	0	0
Amyl Propionate	1	0	1	2	4	1	1	2	1	1	4	1	4	0	4	0
Sn-0-3 Grade M	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1
An-0-366	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1
An-0-6	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1
Anderol I-774 (Diester)	2	0	4	4	4	1	1	1	2	2	4	2	4	0	4	2
Anderol I-826 (Diester)	2	0	4	4	4	1	1	1	2	2	4	2	4	0	4	2
Anderol I-829 (Diester)	2	0	4	4	4	1	1	1	2	2	4	2	4	0	4	2
Ang-25 (Diester Base)	2	0	4	4	4	1	1	1	2	2	4	2	4	0	4	2
Ang-25 (Glycerol Ester)	4	0	4	2	1	1	1	1	2	2	2	2	2	0	2	2
Aniline	4	0	4	4	2	1	1	2	3	4	2	4	4	1	4	2
Aniline Dyes	4	0	4	2	2	1	1	2	2	4	2	4	2	0	2	1
Aniline Hydrochloride	4	0	4	4	3	1	1	2	2	4	2	4	4	1	4	1
Aniline Oil	4	0	4	4	2	2	1	4	3	4	2	4	4	1	4	2
Aniline Sulfate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0
Aniline Sulfite	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0
Animal Fats	1	1	1	2	2	1	1	1	1	1	2	1	4	1	4	1
Animal Oil	1	1	2	2	2	1	1	1	1	1	2	1	4	1	4	2
Anisole	0	0	0	4	0	1	1	3	0	4	0	4	4	1	4	0
Anon	0	0	0	4	4	0	1	0	0	4	4	4	4	1	4	0
Ansul Ether 161, 181	4	0	2	4	3	3	1	4	3	3	3	3	4	0	4	1

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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			
Ant Oil	4	4	4	4	2	4	2	4	4	4	2	4	4	1	4	4	4	4
Anthracene	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	0
Anthraquinone Sulphonic Acid	0	0	4	0	1	0	1	0	0	2	1	2	1	1	1	0	0	0
Antifreeze (Automotive)	4	0	4	1	1	1	1	2	1	1	1	1	1	1	1	0	1	1
Antimony Chloride	1	0	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
Antimony Pentachloride	1	0	1	2	4	1	1	2	1	1	4	1	4	0	4	1	4	4
Antimony Pentafluorides	0	0	0	4	0	2	2	0	0	0	4	4	4	1	0	0	0	0
Antimony Tribromide	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	4	4
Antimony Trichloride	1	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	4
Antimony Trifluoride	1	0	1	2	4	1	2	1	1	1	4	1	4	0	4	1	4	4
Antimony Trioxide	1	0	1	2	1	1	1	1	1	1	4	1	4	0	4	1	4	4
AN-VV-0-366B Hydraulic	2	0	2	2	4	1	1	1	1	1	4	1	4	0	4	1	4	4
Aqua Regia	4	0	4	4	3	1	2	2	3	3	4	4	4	1	4	3	4	4
Argon	1	0	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2
Argon Gas	0	0	0	1	1	0	1	1	0	1	0	1	0	0	0	1	0	0
Aroclor 1248	4	0	4	4	2	1	1	1	2	3	2	3	4	0	4	1	2	2
Aroclor 1254	4	0	4	4	2	1	1	1	1	4	4	4	4	0	4	1	3	3
Aroclor 1260	4	0	4	1	2	1	1	1	1	1	1	1	1	0	1	1	1	1
Aromatic Fuel 50%	4	4	4	4	4	1	1	1	2	2	4	2	4	0	4	2	4	4
Aromatic Fuels	0	0	0	4	4	1	1	2	2	2	0	2	0	0	0	2	4	4
Arsenic Acid	3	0	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Arsenic Trichloride	0	0	0	1	4	3	1	4	0	1	0	1	0	0	0	4	0	0
Arsenic Trioxide	0	0	0	1	4	1	1	4	0	1	0	1	0	0	0	0	0	0
Arsenic Trisulfide	0	0	0	1	4	1	1	4	0	1	0	1	0	0	0	0	0	0
Ascorbic Acid	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0	2	2
Askarel Transformer Oil	4	0	4	4	4	1	1	1	2	2	4	2	4	1	4	1	4	4
Aspartic Acid	4	0	4	1	1	2	1	3	1	3	1	3	1	0	1	0	2	2
Asphalt	2	0	2	2	4	1	1	1	2	2	4	2	4	1	4	2	4	4
ASTM Fuel A	1	1	2	2	4	1	1	1	1	1	4	1	4	1	4	2	4	4
ASTM Fuel B	4	0	4	4	4	1	1	1	1	1	4	2	4	1	4	4	4	4
ASTM Fuel C	4	4	4	4	4	1	1	1	2	2	4	2	4	1	4	4	4	4
ASTM Fuel D	4	0	2	4	4	1	1	1	0	2	0	2	0	0	4	4	4	4
ASTM Oil No. 1	1	1	1	1	4	1	1	1	1	1	4	1	4	1	4	1	1	1
ASTM Oil No. 2	1	1	2	2	4	1	1	1	1	1	4	1	4	1	4	2	4	4
ASTM Oil No. 3	1	2	2	2	4	1	1	1	1	1	4	1	4	1	4	3	2	2
ASTM Oil No. 4	2	1	4	4	4	1	1	1	2	2	4	2	4	0	4	2	4	4

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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									
ASTM Oil No. 5	0	0	2	4	1	1	1	0	1	0	1	0	0	0	1	0	
ATL-857	2	0	4	4	4	1	1	1	2	2	4	2	4	0	4	1	4
Atlantic Dominion F	1	0	2	2	4	1	1	1	1	1	4	1	4	0	4	2	4
Atlantic Utro Gear-E	0	0	0	2	4	1	1	1	0	1	0	1	0	0	0	1	0
Atlantic Utro Gear-EP Lube.	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	2	4
Aurex 903R	1	0	1	2	4	1	1	1	4	1	4	1	2	0	4	1	4
Automatic Transmission Fluid	4	4	2	2	4	1	1	1	1	1	4	1	4	1	4	1	4
Automotive Brake Fluid	4	0	4	2	1	2	1	4	4	3	2	3	1	1	1	1	3
Azine	4	0	4	4	2	4	1	4	4	4	4	4	4	1	4	2	4
Baking Soda	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Bardol B	4	0	4	4	4	1	1	1	2	4	4	4	4	0	4	2	4
Barium Carbonate	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0	2
Barium Chlorate	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0	2
Barium Chloride	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Barium Cyanide	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Barium Hydroxide	4	0	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Barium Iodide	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Barium Nitrate	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0	2
Barium Oxide	4	0	4	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Barium Peroxide	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Barium Polysulfide	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Barium Salts	1	0	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Barium Sulfate	0	0	0	1	1	1	1	1	1	1	0	1	0	0	0	1	1
Barium Sulfide	4	0	1	1	1	1	1	1	1	1	1	1	1	0	2	1	1
Bayol 35	1	0	2	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Bayol D	1	0	4	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Beef Tallow Emulsion, Sulphonated	0	0	0	2	4	0	1	1	2	1	4	1	4	1	4	0	2
Beer	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Beet Sugar Liquids	0	0	0	1	1	1	1	1	0	1	0	1	0	0	0	1	0
Beet Sugar Liquors	4	0	4	2	1	1	1	1	1	1	1	1	1	0	1	1	1
Benzaldehyde	4	4	4	4	1	3	2	4	4	4	2	4	2	1	2	2	4
Benzamide	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Benzanthrone	4	0	3	4	4	1	1	2	2	2	4	2	4	0	4	0	0
Benzene	4	4	4	4	4	1	1	2	2	4	4	4	4	1	4	2	4
Benzene Carbonal	4	4	4	4	1	4	2	4	4	4	2	4	2	1	2	2	4

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Simrit Chemical Compatibility Guide

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Benzene Carboxylic Acid	4	0	4	2	4	1	1	1	2	1	1	4	1	1	1	1	4
Benzene Sulfonic Acid	4	0	4	2	4	1	1	1	2	4	4	4	4	1	4	1	4
Benzidine	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Benzidine 3 Sulfonic Acid	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Benzil	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Benzilic Acid	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Benzine	1	4	2	2	4	1	1	1	1	1	4	1	4	1	4	2	4
Benzocatechol	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Benzochloride	4	0	0	4	1	1	1	1	1	4	2	4	4	0	4	1	0
Benzoic Acid	4	0	4	2	4	1	1	1	2	1	1	4	1	1	1	1	4
Benzoin	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Benzonitrile	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Benzophenone	4	0	4	4	2	1	1	2	1	4	2	4	0	0	4	1	4
Benzoquinone	4	0	4	0	2	1	1	1	0	0	2	0	0	0	4	2	0
Benzotrichloride	0	0	0	4	1	1	1	1	0	4	0	4	0	0	0	3	0
Benzotrifluoride	0	0	0	4	1	1	1	1	0	4	0	4	0	0	0	1	0
Benzoyl Chloride	4	0	3	4	4	1	1	2	2	4	4	4	4	0	4	2	0
Benzoyl Sulfonic Acid	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Benzyl Acetate	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0	2
Benzyl Alcohol	4	0	4	2	2	1	1	1	2	4	2	4	4	1	4	2	2
Benzyl Benzoate	4	0	4	4	2	1	1	1	1	4	2	4	4	1	4	3	4
Benzyl Bromide	4	0	4	4	4	1	1	1	1	4	4	4	4	0	4	2	4
Benzyl Butyl Phthalate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Benzyl Chloride	4	0	4	4	4	1	1	1	1	4	4	4	4	1	4	2	4
Benzyl Phenol	4	0	3	4	4	1	1	2	2	2	4	2	4	0	4	0	0
Benzyl Salicylate	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Beryllium Chloride	3	0	3	3	1	1	1	1	3	1	1	1	3	0	3	1	3
Beryllium Fluoride	3	0	3	3	1	1	1	1	3	1	1	1	3	0	3	1	3
Beryllium Oxide	3	0	3	3	1	1	1	1	3	1	1	1	3	0	3	1	3
Beryllium Sulfate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Biphenyl	4	0	4	4	4	1	1	1	2	4	4	4	4	1	4	2	4
Bismuth Carbonate	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0	2
Bismuth Nitrate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Bismuth Oxychloride	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Bisulfite Lye	0	0	4	2	1	0	2	0	0	2	1	2	1	1	1	0	0
Bitumen	0	0	0	4	0	0	1	1	0	4	0	4	0	1	0	0	0

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	AEM		CR		ETP		FKM		HNBR		NBR		PTFE		TFE/P			
Black Liquor	0	0	0	1	2	1	3	1	0	2	0	2	0	0	0	2	0	
Black Lye	0	0	0	2	1	0	1	1	0	2	1	2	2	1	2	0	0	
Black Point 77	3	0	3	3	1	1	1	1	3	1	1	1	3	0	3	1	3	
Blast Furnace Gas	1	0	4	2	4	1	1	1	2	2	2	4	4	1	2	1	1	
Bleach Liquor	4	0	4	2	1	1	1	1	2	2	1	3	3	1	3	1	2	
Bleach Solutions	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	
Bleaching Lye	0	0	4	2	1	0	1	2	0	4	2	4	4	1	2	0	0	
Bone Oil	1	0	1	4	2	1	1	2	1	1	4	1	4	1	4	1	2	
Borax	2	0	1	4	1	1	1	1	2	2	1	2	2	0	2	1	2	
Borax Solutions	2	1	4	2	1	1	1	1	1	1	1	2	1	1	1	1	1	
Bordeaux Mixture	4	0	4	2	1	1	1	1	2	2	1	2	2	0	2	1	2	
Boric Acid	4	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Boric Oxide	4	0	4	1	1	2	1	3	1	3	1	3	1	0	1	0	2	
Borneol	4	0	3	4	4	1	1	2	2	2	4	2	4	0	4	0	0	
Bornyl Acetate	4	0	3	4	4	2	1	4	2	2	4	2	4	0	4	0	0	
Bornyl Chloride	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	
Bornyl Formate	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	
Boron Fluids	4	0	4	4	4	1	1	1	2	2	4	2	4	0	4	1	4	
Boron Trichloride	0	0	0	4	4	1	1	1	0	2	0	2	0	0	0	1	0	
Boron Trifluoride	0	0	0	4	4	1	1	1	0	2	0	2	0	0	0	1	0	
Brake Fluid DOT3, Glycol Type	4	4	4	2	1	4	4	4	1	3	1	4	1	1	1	2	1	
Brake Fluid, Wagner 21B	4	4	4	2	1	4	4	4	4	3	2	3	2	1	1	1	3	
Bray GG-130	2	0	4	4	4	1	1	1	2	2	4	2	4	0	4	2	4	
Brayco 719-R	4	0	4	2	1	4	4	4	2	3	2	3	2	0	0	2	2	
Brayco 885	2	0	1	4	4	1	1	1	2	2	4	2	4	0	4	2	4	
Brayco 910	3	0	3	2	1	2	1	4	4	2	1	2	1	0	2	3	4	
Bret 710	3	0	3	2	1	4	4	4	4	2	1	2	1	0	2	2	4	
Brine	0	0	0	1	1	1	1	1	1	1	0	1	0	0	0	1	1	
Brom-113	0	0	0	4	4	0	0	0	0	3	4	3	0	0	4	3	4	
Brom-114	0	0	0	2	4	1	1	2	0	2	4	2	4	0	4	3	4	
Bromic Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2	
Bromine	4	0	4	4	4	1	1	1	2	4	4	4	4	1	4	1	4	
Bromine Pentafluoride	4	0	4	4	4	3	2	4	4	4	4	4	4	0	4	4	4	
Bromine Trifluoride	4	0	4	4	4	3	2	4	4	4	4	4	4	0	4	4	4	
Bromine Water	4	0	4	4	2	1	1	1	2	4	4	4	4	1	4	3	4	
Bromine, Anhydrous	0	0	0	4	4	1	1	1	2	4	0	4	0	0	0	1	4	

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	AEM		CR		ETP		FKM		HNBR		NBR		PTFE		TFE/P			
Bromine, Liquid	0	0	0	4	0	0	0	0	0	4	0	4	4	1	4	0	0	
Bromobenzene	4	0	4	4	4	1	1	1	1	4	4	4	4	1	4	4	4	
Bromobenzene Cyanide	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2	
Bromochloromethane	0	0	0	0	2	2	1	4	2	0	0	4	0	0	0	3	4	
Bromochlorotrifluoroethane	4	0	4	4	4	1	1	1	2	4	4	4	4	0	4	1	4	
Bromoethane	0	0	0	4	4	0	1	1	0	2	0	2	0	0	0	1	0	
Bromoform	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	
Bromomethane	3	0	0	4	4	1	1	1	1	2	4	2	4	0	4	1	0	
Bromotrifluoromethane	0	0	0	0	1	2	2	1	2	0	0	1	0	0	0	0	4	
Brucine Sulfate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2	
Bunker C Fuel Oil	0	0	0	3	4	1	1	1	0	1	0	1	0	0	0	2	0	
Bunker Oil	1	0	2	4	4	1	1	1	1	1	4	1	4	1	4	2	2	
Butadiene	4	0	4	2	4	1	1	3	1	4	4	4	4	1	4	2	4	
Butane	1	2	1	1	4	1	1	1	1	1	4	1	4	1	4	2	4	
Butane, 2, 2-Dimethyl	1	0	4	2	4	1	1	1	3	1	4	1	4	0	3	2	4	
Butane, 2, 3-Dimethyl	1	0	4	2	4	1	1	1	3	1	4	1	4	0	3	2	4	
Butanediol	4	0	4	1	1	1	1	3	1	1	1	1	2	1	1	0	2	
Butanol	4	0	4	2	1	1	1	1	1	4	1	4	1	1	1	1	2	
Butene 2-ethyl	1	0	4	4	4	1	1	1	3	1	4	1	4	0	4	1	4	
Butter	1	1	1	2	1	1	1	1	1	1	2	1	4	1	4	1	2	
Butyl Acetate	4	0	4	4	2	3	1	4	4	4	2	4	2	1	4	4	4	
Butyl Acetyl Ricinoleate	0	0	4	2	1	1	1	1	2	2	1	2	4	0	4	1	0	
Butyl Acrylate	4	0	0	4	4	3	1	4	4	4	4	4	4	0	4	4	2	
Butyl Alcohol	4	1	4	1	2	1	1	1	1	4	2	1	1	1	1	1	2	
Butyl Alcohol, Secondary	4	0	4	2	2	1	1	1	2	2	2	2	2	0	2	1	2	
Butyl Alcohol, Tertiary	4	0	4	2	2	1	1	1	2	2	2	2	2	0	2	1	2	
Butyl Benzoate	4	0	4	1	1	1	1	1	1	3	1	4	1	0	1	0	2	
Butyl Butyrate	4	0	0	4	1	1	1	1	1	4	1	4	4	0	4	0	0	
Butyl Carbitol	4	0	4	3	1	1	1	3	4	4	1	4	4	1	4	2	4	
Butyl Cellosolve	4	0	4	3	2	2	1	4	4	3	2	3	4	1	4	3	4	
Butyl Cellosolve Acetate	4	0	4	1	2	3	1	4	2	3	1	4	1	0	1	2	2	
Butyl Cellosolve Adipate	4	0	4	4	2	1	1	2	2	4	2	4	4	0	4	2	2	
Butyl Chloride	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2	
Butyl Ether	4	0	3	4	3	3	1	4	3	3	3	3	4	0	4	0	4	
Butyl Glycolate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2	
Butyl Lactate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2	

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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									
Butyl Laurate	4	0	4	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

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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	
Calcium Fluoride	1	0	1	1	1	1	1	1	1
Calcium Gluconate	4	0	4	1	1	1	3	1	3
Calcium Hydride	1	0	1	1	1	1	1	1	1
Calcium Hydrogen Sulfite	0	0	0	0	4	1	1	1	0
Calcium Hydrosulfide	4	0	4	1	1	1	3	1	3
Calcium Hydroxide	4	0	4	1	1	1	1	1	1
Calcium Hypochlorite	4	2	4	2	1	1	1	2	2
Calcium Hypophosphite	4	0	4	1	1	1	3	1	3
Calcium Lactate	4	0	4	1	1	1	3	1	3
Calcium Nitrate	1	0	1	1	1	1	1	1	1
Calcium Oxalate	4	0	4	1	1	1	3	1	3
Calcium Oxide	1	0	1	1	1	1	1	1	1
Calcium Phenolsulfonate	4	0	4	1	1	1	3	1	3
Calcium Phosphate	1	0	1	2	1	1	1	1	1
Calcium Phosphate Acid	4	0	4	1	1	1	3	1	3
Calcium Propionate	4	0	4	1	1	1	3	1	3
Calcium Salts	1	0	1	1	1	1	1	1	1
Calcium Silicate	0	0	0	1	1	1	1	0	1
Calcium Stearate	4	0	3	4	4	1	1	2	2
Calcium Sulfamate	4	0	3	4	4	1	1	2	2
Calcium Sulfate	4	0	4	1	1	1	2	1	3
Calcium Sulfide	4	0	1	1	1	1	1	1	1
Calcium Sulfite	4	0	1	1	1	1	1	1	1
Calcium Thiocyanate	4	0	4	1	1	1	3	1	3
Calcium Thiosulfate	4	0	1	1	1	1	1	2	1
Calcium Tungstate	4	0	4	1	1	1	3	1	3
Caliche Liquors	1	0	1	1	1	1	1	1	1
Camphene	4	0	3	4	4	1	1	2	2
Camphor	4	0	3	2	1	1	1	2	1
Camphorated Oil	0	0	0	4	4	0	1	2	0
Camphoric Acid	4	0	3	4	4	1	1	2	2
Cane Sugar Liquors	4	0	4	1	1	1	1	1	1
Capric Acid	1	0	1	2	4	1	1	2	1
Caproic Acid	1	0	1	2	4	1	1	2	1
Caproic Aldehyde	4	0	4	0	2	3	1	4	4
Caprolactam	1	0	1	2	1	3	1	4	1

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Simrit Chemical Compatibility Guide

Chemical Medium	ACM	AU	EPDM	FFKM	FVMQ	IIR	NR	SBR	VMQ								
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Capronaldehyde	1	0	1	2	4	1	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
Cellugard	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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Simrit Chemical Compatibility Guide

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	AEM	CR	ETP	FKM	HNBR	NBR	PTFE	TFE/P										
Cellutherm 2505A	2	0	4	4	4	1	1	1	2	2	4	2	4	0	4	1	4	
Cement, Portland	0	0	0	0	1	1	1	1	0	0	0	1	0	0	0	0	1	0
Cerium Sulfate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2	
Cerous Chloride	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2	
Cerous Fluoride	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2	
Cerous Nitrate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2	
Cetane (Hexadecane)	1	0	4	2	4	1	1	1	3	1	4	1	4	0	4	1	4	
Cetyl Alcohol	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2	
China Wood Oil	1	2	3	2	4	1	1	1	2	1	3	1	4	1	4	2	4	
Chloroacetic 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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	AEM		CR		ETP		FKM		HNBR		NBR		PTFE		TFE/P			
Chloro Oxyfluorides	0	0	0	0	0	2	2	0	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	0
Chloroacetaldehyde	4	0	4	1	1	3	2	4	1	3	1	3	1	0	1	0	0	2
Chloroacetic Acid	4	0	4	4	2	2	1	4	4	4	2	4	4	0	4	2	0	0
Chloroacetone	4	0	4	4	1	2	1	4	4	4	2	4	4	0	4	4	4	4
Chloroamino Benzoic Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	0	2
Chloroaniline	4	0	4	1	2	3	1	3	1	3	1	4	1	0	1	2	2	2
Chlorobenzaldehyde	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0	0	2
Chlorobenzene	4	0	4	4	4	1	1	1	2	4	4	4	4	1	4	2	4	4
Chlorobenzene Chloride	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	0
Chlorobenzene Trifluoride	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	0
Chlorobenzochloride	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	0
Chlorobenzotrifluoride	4	0	3	4	4	1	1	1	2	2	4	4	4	0	4	0	0	4
Chlorobromomethane	4	0	4	4	2	1	1	1	2	4	2	4	4	1	4	3	4	4
Chlorobromopropane	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	0
Chlorobutadiene	4	0	4	4	4	1	1	1	2	4	4	4	4	0	4	3	4	4
Chlorobutane	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	0	2
Chlorododecane	4	0	4	4	4	1	1	1	1	4	4	4	4	0	4	2	4	4
Chloroethane	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	0	2
Chloroethane Sulfonic Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	0	2
Chloroethylbenzene	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	4	0	0
Chloroform	4	4	4	4	4	1	1	2	3	4	4	4	4	1	4	4	4	4
Chlorohydrin	4	0	4	1	1	1	1	1	1	3	1	1	1	0	1	1	1	2
Chloronaphthalene	4	0	4	4	4	1	1	1	2	4	4	4	4	0	4	4	4	4
Chloronitrobenzene	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	0	2
Chloronitroethane	0	0	0	0	4	2	1	4	4	0	0	4	0	0	0	0	0	4
Chlorophenol	0	0	0	0	4	1	1	1	2	0	0	4	0	0	0	0	0	4
Chlorophenol, Ortho	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	0	2
Chlorophenol, Para	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	0	2
Chloropicrin	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	0
Chloroprene	4	0	3	4	4	1	1	1	2	2	4	4	4	0	4	3	4	4
Chlorosulfonic Acid	4	4	4	4	4	2	1	4	4	4	4	4	4	1	4	4	4	4
Chlorotoluene	4	0	4	4	4	1	1	1	2	4	4	4	4	0	4	2	4	4
Chlorotoluene Sulfonic Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	0	2
Chlorotoluidine	4	0	3	4	4	2	1	4	2	2	4	2	4	0	4	0	0	0
Chlorotrifluoroethylene	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0

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

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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									
Chlorox	4	0	4	2	2	1	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	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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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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Simrit Chemical Compatibility Guide

Chemical Medium	ACM		AU		EPDM		FFKM		FVMQ		IIR		NR		SBR		VMQ	
	AEM		CR		ETP		FKM		HNBR		NBR		PTFE		TFE/P			
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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Dibutyl Ether	3	0	2	4	3	2	1	3	3	4	2	4	4	1	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
Dieldrin	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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	AEM	CR	ETP	FKM	HNBR	NBR	PTFE	TFE/P									
Diethyl Carbonate	4	0	4	1	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	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
Difluoromonoethane	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
Diethyl 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

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			
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	
Diocyl Phthalate	4	0	4	4	2	1	1	1	2	4	2	4	4	1	4	2	3	
Diocyl Sebacate	4	0	2	4	2	1	1	1	3	4	2	4	4	1	4	2	3	
Diocylamine	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	

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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									
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	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	0	1	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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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			
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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Simrit Chemical Compatibility Guide

Chemical Medium	ACM		AU		EPDM		FFKM		FVMQ		IIR		NR		SBR		VMQ	
	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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Chemical Medium	ACM	AU	EPDM	FFKM	FVMQ	IIR	NR	SBR	VMQ							
	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 (1,1,2-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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Simrit Chemical Compatibility Guide

Chemical Medium	ACM	AU	EPDM	FFKM	FVMQ	IIR	NR	SBR	VMQ							
	AEM	CR	ETP	FKM	HNBR	NBR	PTFE	TFE/P								
FC 22 and ASTM Oil #2, 50/50 Mixture	2	0	2	4	1	1	2	2	4	4	4	4	0	4	0	4
FC 31	0	0	1	1	4	2	4	0	4	1	4	2	1	2	0	0
FC 32	0	0	1	1	4	1	4	0	1	1	1	1	1	1	4	0
FC 43	0	0	1	1	3	1	1	1	1	1	1	0	0	4	1	1
FC 502, F22 and F316	0	0	1	1	2	2	2	0	2	1	2	1	0	1	0	0
FC 70	0	0	0	0	2	2	1	0	0	0	0	0	0	0	0	0
FC 75	0	0	1	1	2	4	2	2	1	1	1	0	0	4	3	1
FC 77, Fluorocarbon	0	0	1	1	1	1	2	2	1	1	1	0	0	4	0	1
FC BF	0	0	2	4	1	2	1	0	2	4	2	4	0	4	0	4
FC C316	0	0	0	1	1	2	1	0	0	0	1	0	0	0	0	0
FC C318 (Octafluoro-Tetraethylene)	0	0	1	1	2	2	2	0	1	1	1	1	1	1	4	0
FC K-142B	0	0	1	1	4	4	4	0	1	1	1	2	0	1	0	0
FC K-152a	0	0	1	1	4	4	4	0	1	1	1	1	0	1	0	0
FC MF	0	0	3	4	4	2	2	0	2	4	2	4	0	4	4	4
FC PCA	0	0	1	1	4	2	3	2	0	1	4	1	4	0	2	4
FC TA	0	0	0	2	3	2	3	0	0	0	1	0	0	0	0	3
FC TC	0	0	0	2	1	2	1	0	0	0	1	0	0	0	0	4
FC TF (1,1,2-Trichloro-1,2,2-Trifluoroethane)	0	3	1	2	2	3	2	4	1	3	1	4	1	2	4	4
FC TMC	0	0	0	3	1	2	1	0	0	0	2	0	0	0	0	3
FC T-P35	0	0	0	1	1	2	1	0	0	0	1	0	0	0	0	1
FC T-WD602	0	0	0	2	1	2	1	0	0	0	2	0	0	0	0	4
Fermentation Gas	0	0	2	1	0	0	1	1	4	1	0	1	4	1	4	0
Ferric Acetate	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0
Ferric Ammonium Sulfate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Ferric Chloride	1	0	2	1	1	1	1	1	1	1	1	1	0	1	1	2
Ferric Ferrocyanide	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Ferric Hydroxide	4	0	4	1	1	1	1	1	3	1	3	1	0	1	0	2
Ferric Nitrate	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	3
Ferric Persulfate	0	0	1	1	1	1	1	0	1	0	1	0	0	0	1	0
Ferric Sulfate	0	0	1	1	1	1	1	1	1	0	1	0	0	0	1	2
Ferrous Ammonium Citrate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Ferrous Ammonium Sulfate	4	0	4	1	1	1	2	1	3	1	3	1	0	1	0	2
Ferrous Carbonate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Ferrous Iodide	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2

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

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

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	AEM		CR		ETP		FKM		HNBR		NBR		PTFE		TFE/P		
Gasoline	4	4	2	4	4	1	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	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	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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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	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
Hydyne	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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Simrit Chemical Compatibility Guide

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

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Simrit Chemical Compatibility Guide

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	AEM		CR		ETP		FKM		HNBR		NBR		PTFE		TFE/P			
Isoeugenol	1	0	1	2	4	1	1	2	1	1	4	1	4	0	4	0	2	
Isooctane	1	1	2	2	4	1	1	1	1	1	4	1	4	1	4	2	4	
Isopentane	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2	
Isophorone	4	0	2	4	1	3	1	4	4	4	1	4	4	1	4	2	4	
Isopropanol	4	1	4	2	1	1	1	1	2	2	1	2	1	1	1	1	1	
Isopropyl Acetate	4	4	4	4	2	2	1	4	4	4	2	4	4	1	4	4	4	
Isopropyl Chloride	4	0	4	4	4	1	1	1	2	4	4	4	4	1	4	4	4	
Isopropyl Ether	3	4	4	4	4	3	1	4	3	2	4	2	4	1	4	4	4	
Isopropylacetone	4	0	4	1	1	2	1	3	1	3	1	3	1	0	1	0	2	
Isopropylamine	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2	
Jet Fuel A	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	
JP-10	4	0	3	4	4	1	1	1	1	3	4	3	4	0	4	0	4	
JP-3	2	0	2	4	4	1	1	1	1	1	4	1	4	1	4	2	4	
JP-4	2	0	2	4	4	1	1	1	2	1	4	1	4	1	4	2	4	
JP-5	2	0	2	4	4	1	1	1	2	1	4	1	4	1	4	2	4	
JP-6	2	0	2	4	4	1	1	1	2	1	4	1	4	1	4	2	4	
JP-8	1	0	1	3	4	1	1	1	2	1	4	4	4	0	4	2	4	
JP-9	4	0	3	4	4	1	1	1	2	3	4	3	4	0	4	0	4	
JP-9 -11	4	0	4	4	4	1	1	1	2	4	4	4	4	0	4	0	4	
JPX	0	0	0	2	4	3	1	4	0	1	0	1	0	0	0	2	0	
Kel-F Liquids	0	0	0	2	1	1	3	3	2	1	1	1	0	0	1	3	1	
Kerosene	1	3	1	4	4	1	1	1	1	1	4	1	4	1	4	2	4	
Keystone #87HX-Grease	1	0	1	4	4	1	1	1	1	1	4	1	4	0	4	1	4	
Lacquer Solvents	4	4	4	4	4	2	1	4	4	4	4	4	4	1	4	4	4	
Lacquers	4	0	4	4	4	2	1	4	4	4	4	4	4	1	4	4	4	
Lactams	0	0	0	4	2	1	1	2	4	4	4	4	4	1	4	3	0	
Lactic Acid, Cold	4	0	0	1	1	1	1	1	1	1	1	1	1	0	1	0	1	
Lactic Acid, Hot	4	0	0	4	4	1	1	1	2	4	4	4	4	0	4	0	2	
Lactones	4	0	4	4	2	4	4	4	4	4	2	4	4	0	4	0	2	
Lard	1	1	1	2	2	1	1	1	1	1	2	1	4	1	4	1	2	
Lauric Acid	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2	
Lauryl Alcohol	0	0	0	1	2	0	1	1	0	1	2	1	2	1	2	0	0	
Lavender Oil	2	0	0	4	4	1	1	1	2	2	0	2	0	1	0	1	4	
LB 135	0	0	0	1	1	1	1	1	0	1	0	1	0	0	0	1	0	
Lead Acetate	4	0	4	2	1	2	1	4	4	2	1	2	4	1	1	4	4	
Lead Arsenate	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									
Lead Bromide	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2	
Lead Carbonate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2	
Lead Chloride	4	0	4	1	1	1	1	1	3	1	3	1	0	1	0	2	
Lead Chromate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2	
Lead Dioxide	4	0	4	1	1	1	2	1	3	1	3	1	0	1	0	2	
Lead Linoleate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2	
Lead Nitrate	0	0	4	1	1	1	1	1	1	1	1	1	1	1	2	2	
Lead Oxide	4	0	4	1	1	1	2	1	3	1	1	1	0	1	1	2	
Lead Sulfamate	4	0	0	1	1	1	1	1	2	1	2	2	0	2	0	2	
Lehigh X1169	1	0	1	2	4	1	1	1	1	4	1	4	0	4	1	4	
Lehigh X1170	1	0	1	2	4	1	1	1	1	4	1	4	0	4	1	4	
Lemon Juice, Undiluted	0	0	0	2	0	0	1	0	0	1	0	1	1	1	0	1	
Light Grease	0	0	0	4	4	1	1	1	0	1	0	1	0	0	0	1	0
Ligroin	1	0	2	2	4	1	1	1	1	4	1	4	0	4	2	4	
Lime Bleach	0	0	0	1	1	1	1	1	1	0	1	0	0	0	1	2	
Lime Sulfur	4	0	3	4	1	1	1	1	0	4	4	4	0	4	0	1	
Lindol Hydraulic Fluid, Phosphate Ester Type	4	4	4	4	1	1	1	2	3	4	1	4	4	1	4	1	3
Linoleic Acid	0	0	0	2	4	1	1	2	0	2	4	2	4	1	4	1	2
Linseed Oil	1	0	2	1	3	1	1	1	1	2	1	2	1	2	1	1	1
Liquefied Petroleum Gas	3	1	1	2	4	1	1	1	3	1	4	1	4	1	4	2	3
Liquid Oxygen	4	0	4	4	4	4	2	4	4	4	4	4	4	0	4	4	4
Liquimoly	1	0	2	2	4	1	1	1	1	4	1	4	0	4	1	4	
Liquor	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Lithium Bromide	4	0	1	2	1	1	1	2	1	1	1	1	1	1	1	0	1
Lithium Carbonate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Lithium Chloride	4	0	1	2	1	1	1	1	1	1	1	1	1	1	0	1	1
Lithium Citrate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Lithium Hydroxide	4	0	4	1	1	2	1	3	1	3	1	2	1	0	1	1	2
Lithium Hypochlorite	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Lithium Nitrate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Lithium Nitrite	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Lithium Perchlorate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Lithium Salicylate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Lithopone	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2

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Lubricating Oils, Crude & Refined	0	0	3	4	1	1	1	0	2	0	2	0	0	0	1	0
Lubricating Oils, Diester	2	0	3	4	1	1	2	2	2	4	2	4	0	4	2	4
Lubricating Oils, Petroleum	1	1	2	2	4	1	1	1	1	4	1	4	1	4	1	4
Lubricating Oils, SAE 10, 20, 30, 40, 50	1	0	2	2	4	1	1	1	1	4	1	4	0	4	1	4
Lubricating Oils, Synthetic Base	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0
Lye	4	0	4	2	1	1	1	2	2	2	1	2	1	1	2	1
Machine Oil, Mineral	1	0	1	2	4	0	1	1	1	1	4	1	4	1	4	0
Magnesium Chloride	4	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Magnesium Hydroxide	4	0	4	2	1	1	1	1	0	2	1	2	2	0	2	1
Magnesium Salts	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1
Magnesium Sulfate	4	0	0	2	1	1	1	1	1	1	1	1	2	1	1	0
Magnesium Sulfite	4	0	0	1	1	1	1	2	1	1	1	1	2	0	2	0
Maize Oil	0	0	0	2	4	0	1	1	0	1	4	1	4	1	4	0
Malathion	0	0	4	0	4	1	1	2	2	2	4	2	4	0	4	0
Maleic Acid	4	1	0	4	4	1	1	1	0	4	4	4	4	1	4	1
Maleic Anhydride	4	0	0	4	4	2	1	4	0	4	2	4	4	0	4	1
Maleic Hydrazide	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0
Malic Acid	4	0	0	2	4	1	1	1	1	1	4	1	3	0	2	1
Mandelic Acid	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0
Manganese Acetate	4	0	4	1	1	2	1	4	1	3	1	3	1	0	1	0
Manganese Carbonate	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0
Manganese Chloride	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0
Manganese Dioxide	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0
Manganese Gluconate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0
Manganese Hypophosphite	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0
Manganese Linoleate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0
Manganese Phosphate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0
Manganese Sulfate	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0
Manganous Chloride	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0
Manganous Phosphate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0
Manganous Sulfate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0
Mannitol	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0
Margarine	1	0	1	2	4	0	1	1	1	1	4	1	4	1	4	0
Marsh Gas	1	0	0	1	2	0	1	1	1	1	2	1	2	1	2	0

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	AEM		CR		ETP		FKM		HNBR		NBR		PTFE		TFE/P			
MCS 312	4	0	0	4	4	1	1	1	1	4	4	4	4	0	4	0	1	
MCS 352	4	0	4	4	1	4	4	4	3	4	2	4	4	0	4	0	3	
MCS 463	4	0	4	4	1	4	4	4	3	4	2	4	4	0	4	0	3	
MEA (Ethanalamine)	0	0	0	0	2	3	1	4	4	0	0	4	0	0	0	0	2	
Menthol	0	0	0	4	4	0	1	2	0	4	4	4	4	1	4	0	0	
Mercaptan	1	0	1	2	4	2	1	3	1	1	4	1	4	0	4	0	2	
Mercaptobenzothiazole	4	0	3	4	1	1	1	1	2	3	4	3	4	0	4	1	0	
Mercuric Acetate	4	0	4	1	1	2	1	4	1	3	1	3	1	0	1	0	2	
Mercuric Chloride	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Mercuric Cyanide	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	2	
Mercuric Iodide	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2	
Mercuric Nitrate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2	
Mercuric Sulfate	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	2	
Mercuric Sulfite	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2	
Mercurous Nitrate, Hydrated	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	2	
Mercury	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Mercury Chloride	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2	
Mercury Fulminate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2	
Mercury Salts	4	0	4	2	1	1	1	1	1	1	1	1	1	1	1	0	1	
Mercury Vapor	0	0	0	1	1	1	1	1	0	1	1	1	1	0	1	1	0	
Mesityl Oxide	4	0	4	4	2	3	1	4	4	4	2	4	4	1	4	4	4	
Metaldehyde	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0	2	
Methacrylic Acid	4	0	4	1	2	4	1	3	4	3	1	3	1	0	1	2	4	
Methallyl Chloride	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0	
Methane	1	1	3	2	4	1	1	1	2	1	2	1	2	1	2	2	4	
Methanol	4	1	4	1	1	1	1	4	1	2	1	1	1	1	1	1	1	
Methoxy Butanol	0	0	0	2	2	0	1	1	0	1	2	1	4	1	4	0	0	
Methoxyethanol	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2	
Methyl 2-Pyrrolidone	0	0	0	0	2	1	1	2	2	0	0	0	0	0	0	0	2	
Methyl Abietate	4	0	3	4	0	1	1	2	2	0	4	0	4	0	4	0	0	
Methyl Acetate	4	4	4	2	2	2	1	4	4	4	2	4	4	1	4	4	4	
Methyl Acetoacetate	4	0	4	4	2	2	1	4	4	4	2	4	0	0	0	4	2	
Methyl Acetophenone	4	0	3	4	0	2	1	4	2	0	4	0	4	0	4	0	0	
Methyl Acrylate	4	4	4	4	2	3	1	4	4	4	4	4	4	1	4	4	4	
Methyl Acrylic Acid	4	0	4	2	2	1	1	3	4	4	2	4	4	1	4	0	4	
Methyl Amylketone	4	0	4	1	1	2	1	4	1	3	1	3	1	0	1	0	2	

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

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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									
Methyl Anthranilate	4	0	3	4	0	1	1	2	2	0	4	0	4	0	4	0	0
Methyl Benzoate	4	0	4	4	4	2	1	1	1	4	4	4	4	0	4	2	4
Methyl Bromide	3	0	4	4	4	1	1	1	1	2	4	2	4	1	4	2	4
Methyl Butanethiol	0	0	0	0	4	1	1	1	0	0	0	4	0	0	0	1	4
Methyl Butanol	4	0	4	2	1	1	1	1	1	2	1	2	1	1	2	1	4
Methyl Butyl Ketone	4	4	4	4	1	2	1	4	4	4	1	4	4	1	4	4	4
Methyl Butyrate Cellosolve	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Methyl Butyrate Chloride	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Methyl Carbonate	4	0	4	4	4	1	1	1	2	4	4	4	4	0	4	2	4
Methyl Cellosolve	4	4	4	3	2	2	1	4	4	3	2	3	4	1	4	1	4
Methyl Cellulose	4	0	2	2	2	2	1	4	4	2	2	2	2	0	2	1	2
Methyl Chloride	4	4	2	4	3	1	1	2	2	4	4	4	4	1	4	4	4
Methyl Chloroacetate	4	0	4	1	1	2	1	4	1	3	1	3	1	0	1	0	2
Methyl Chloroform	0	0	0	4	4	1	1	2	2	4	0	4	0	0	0	4	4
Methyl Chloroformate	4	0	4	4	4	1	1	2	2	4	4	4	4	0	4	1	4
Methyl Cyanide	4	0	4	2	1	1	1	2	1	3	1	3	1	0	1	1	2
Methyl Cyclohexanone	1	0	1	2	4	3	1	4	1	1	4	1	4	0	4	0	2
Methyl Dichloride	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0
Methyl Ether	4	0	0	3	2	2	1	4	1	1	4	1	4	1	4	4	1
Methyl Ethyl Ketone	4	4	4	4	1	2	1	4	4	4	1	4	4	1	4	4	4
Methyl Ethyl Ketone Peroxide	4	0	4	4	4	4	1	4	4	4	4	4	4	0	4	0	2
Methyl Ethyl Oleate	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0
Methyl Formate	0	0	0	2	2	2	1	4	0	4	2	4	4	0	4	4	0
Methyl Hexyl Ketone	4	0	4	1	1	2	1	4	1	3	1	3	1	0	1	0	2
Methyl Iodide	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2
Methyl Isobutyl Ketone	4	4	4	4	3	2	1	4	4	4	3	4	4	1	4	4	4
Methyl Isocyanate	4	0	4	1	1	2	1	4	1	3	1	3	1	0	1	0	2
Methyl Isopropyl Ketone	4	0	4	4	2	2	1	4	4	4	2	4	4	0	4	0	4
Methyl Isovalerate	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0
Methyl Lactate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Methyl Mercaptan	0	0	0	0	1	1	1	3	0	0	1	0	0	1	0	0	0
Methyl Methacrylate	4	4	4	4	4	2	1	4	4	4	4	4	4	1	4	4	4
Methyl Oleate	0	0	0	4	2	1	1	2	2	4	2	4	4	1	4	1	0
Methyl Pentadiene	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0
Methyl Phenylacetate	4	0	3	4	0	2	1	4	2	0	4	0	4	0	4	0	0
Methyl Propyl Salicylate	0	0	0	4	2	0	0	2	0	0	2	4	4	1	0	2	0

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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			
Methyl Salicylate	0	0	0	4	2	1	1	2	0	4	2	4	3	0	3	0	0	0
Methyl T-Butyl Ether	0	0	0	3	3	2	1	4	0	3	0	3	0	0	0	2	0	0
Methyl Valerate	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0	0
Methylamine	4	0	4	1	1	1	1	4	1	4	1	4	2	1	2	0	2	2
Methylamyl Acetate	4	0	4	1	1	2	1	3	1	3	1	3	1	0	1	0	2	2
Methylcyclopentane	4	0	4	4	4	2	1	1	2	4	4	4	4	0	4	2	4	4
Methylene Bromide	4	0	3	4	4	2	1	3	1	0	4	2	4	0	4	0	0	0
Methylene Chloride	4	4	4	4	4	2	1	3	2	4	4	4	4	1	4	2	4	4
Methylene Di-P-Phenylene Isocyanate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2	2
Methylene Iodide	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0	0
Methylglycerol	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2	2
Methylisobutyl Carbinol	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2	2
Methylpyrrolidine	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0	0
Methylpyrrolidone	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0	0
Methylsulfuric Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2	2
MIL-A-6091	4	0	4	1	1	1	1	1	1	2	1	2	1	0	1	0	1	1
MIL-C-4339	1	0	1	4	4	1	1	1	1	1	4	1	4	0	4	0	3	3
MIL-C-7024	2	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	4	4
MIL-C-8188	3	0	4	4	4	1	1	2	2	2	4	2	4	0	4	0	4	4
MIL-E-9500	4	0	4	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1
MIL-F-16884	1	0	3	3	4	1	1	1	1	1	4	1	4	0	4	0	4	4
MIL-F-17111	1	0	3	2	4	1	1	1	2	1	4	1	4	0	4	0	4	4
MIL-F-25558	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	4	4
MIL-F-25656	2	0	2	4	4	1	1	1	2	1	4	1	4	0	4	0	4	4
MIL-F-5566	4	0	2	2	1	1	1	1	1	2	1	2	1	0	2	0	1	1
MIL-F-81912	4	0	3	4	4	1	1	1	2	3	4	3	4	0	4	0	4	4
MIL-F-82522	2	0	1	4	4	1	1	1	1	2	4	2	4	0	4	1	4	4
MIL-G-10924	2	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	4	4
MIL-G-15793	1	0	1	2	4	1	1	1	2	1	4	1	4	0	4	0	4	4
MIL-G-21568	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	0	4	4
MIL-G-25013	1	0	3	2	1	1	1	1	1	1	1	1	2	0	1	0	4	4
MIL-G-25537	2	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	4	4
MIL-G-25760	2	0	2	2	4	1	1	1	2	2	4	2	4	0	4	0	4	4
MIL-G-3278	1	0	2	4	4	1	1	1	2	2	4	2	4	0	4	0	4	4
MIL-G-3545	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	4	4

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MIL-G-4343	1	0	1	2	3	1	1	1	1	2	3	2	1	0	1	0	3
MIL-G-5572	2	0	2	4	4	1	1	1	1	1	4	1	4	0	4	0	4
MIL-G-7118	3	0	3	2	4	1	1	1	1	2	4	2	4	0	4	0	4
MIL-G-7187	1	0	1	4	4	1	1	1	1	1	4	1	4	0	4	0	4
MIL-G-7421	4	0	2	2	4	1	1	1	2	2	4	2	4	0	4	0	4
MIL-G-7711	2	0	1	4	4	1	1	1	1	1	4	1	4	0	4	0	2
MIL-H-13910	2	0	4	1	1	1	1	1	2	1	1	1	1	0	1	0	4
MIL-H-19457	4	0	4	4	2	1	1	1	4	4	1	4	4	0	4	0	3
MIL-H-22251	0	0	0	2	1	0	0	0	0	2	1	2	0	0	2	0	4
MIL-H-27601	1	0	3	2	4	1	1	1	2	1	4	1	4	0	4	0	4
MIL-H-46170 -15°F to +400°F	2	0	2	2	4	1	1	1	1	1	4	1	4	0	4	0	4
MIL-H-46170 -20°F to +275°F	2	0	2	2	4	1	1	1	1	1	4	1	4	0	4	0	4
MIL-H-46170 -55°F to +275°F	2	0	2	2	4	1	1	1	1	1	4	1	4	0	4	0	4
MIL-H-46170 -65°F to +275°F	2	0	2	2	4	1	1	1	1	1	4	1	4	0	4	0	4
MIL-H-5606 -65°F to +235°F	2	0	2	2	4	1	1	1	1	1	4	1	4	0	4	1	4
MIL-H-5606 -65°F to +275°F	2	0	2	2	4	1	1	1	1	1	4	1	4	0	4	1	4
MIL-H-6083	1	0	1	1	4	1	1	1	1	1	4	1	2	0	4	0	4
MIL-H-7083	4	0	4	2	1	1	1	2	1	1	1	1	2	0	2	0	1
MIL-H-8446	3	0	4	1	4	1	1	1	1	2	4	2	4	0	4	1	4
MIL-J-5161	1	0	2	4	4	1	1	1	1	2	4	2	4	0	4	0	4
Milk	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Milk of Lime	0	0	0	2	0	0	1	1	0	4	0	4	4	1	2	0	0
MIL-L-15016	1	0	1	2	4	1	1	1	2	1	4	1	4	0	4	0	4
MIL-L-15017	1	0	1	2	4	1	1	1	2	1	4	1	4	0	4	0	4
MIL-L-17331	0	0	0	0	4	1	1	1	0	1	4	1	4	0	4	0	4
MIL-L-2104	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	4
MIL-L-21260	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	4
MIL-L-23699	3	0	3	3	4	1	1	1	2	2	4	2	4	0	4	1	4
MIL-L-25681	2	0	3	2	1	1	1	1	2	2	1	2	2	0	2	0	4
MIL-L-3150	2	0	2	2	4	1	1	1	1	1	4	1	4	0	4	0	4
MIL-L-6081	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	4
MIL-L-6082	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	3
MIL-L-6085	2	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	4
MIL-L-6387	2	0	1	4	4	1	1	1	2	2	4	2	4	0	4	0	4
MIL-L-7808	2	0	4	4	4	1	1	1	2	2	4	2	4	1	4	1	4
MIL-L-7808A	2	0	4	4	4	1	1	1	2	2	4	2	4	0	4	1	4

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	AEM		CR		ETP		FKM		HNBR		NBR		PTFE		TFE/P			
MIL-L-7870	1	0	2	2	4	1	1	1	1	1	4	1	4	0	4	0	4	
MIL-L-9000	1	0	3	2	4	1	1	1	2	1	4	1	4	0	4	0	4	
MIL-L-9236	2	0	2	4	4	1	1	1	2	2	4	2	4	0	4	0	4	
MIL-O-3503	2	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	4	
MIL-P-27402	0	0	0	2	1	0	0	0	0	2	1	2	0	0	2	0	4	
MIL-R-25576	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	4	
MIL-S-3136 Type I Fuel	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	4	
MIL-S-3136 Type II Fuel	3	0	2	4	4	1	1	1	2	2	4	2	4	0	4	0	4	
MIL-S-3136 Type III Fuel	3	0	2	4	4	1	1	1	2	2	4	2	4	0	4	0	4	
MIL-S-3136 Type IV Oil, High Swell	1	0	1	4	4	1	1	1	1	1	4	1	4	0	4	0	2	
MIL-S-3136 Type IV Oil, Low Swell	1	0	1	1	4	1	1	1	1	1	4	1	4	0	4	0	3	
MIL-S-3136 Type V Oil, Medium Swell	1	0	1	2	1	1	1	1	1	1	4	2	4	0	4	1	1	
MIL-S-81087	1	0	1	1	1	1	1	1	2	1	1	1	1	0	1	0	3	
MIL-T-5624	2	0	2	4	4	1	1	1	2	1	4	1	4	0	4	2	4	
MIL-T-83133	1	0	1	3	4	1	1	1	2	1	4	1	4	0	4	2	4	
Mineral Oils	1	1	1	4	3	1	1	1	1	1	4	1	4	1	4	1	2	
Mineral Water	0	0	0	2	1	0	1	1	1	1	1	1	1	1	1	0	1	
Mixed Acid Etchants	0	0	0	0	4	2	1	3	4	0	0	4	0	0	0	3	4	
Mixed Acids	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2	
MLO-7277	3	0	3	4	4	1	1	1	3	3	4	3	4	0	4	1	4	
MLO-7557	3	0	3	4	4	1	1	1	3	3	4	3	4	0	4	1	4	
MLO-8200	0	0	1	1	4	1	1	1	1	2	4	2	4	0	4	1	4	
MLO-8515	3	0	1	1	4	1	1	1	1	2	4	2	4	0	4	1	4	
Mobil 24DTE	0	0	0	2	4	1	1	1	0	1	0	1	0	0	0	1	0	
Mobil HF	0	0	0	2	4	1	1	1	0	1	0	1	0	0	0	2	0	
Mobil SHC 500 Series	1	0	2	2	4	1	1	1	2	3	4	3	0	0	0	0	2	
Mobil SHC 600 Series	1	0	1	2	4	1	1	1	2	3	4	3	0	0	4	0	3	
Mobil Therm 600	0	0	0	2	4	1	1	1	0	1	0	1	0	0	0	1	0	
Mobil Velocite C	0	0	0	2	4	1	1	1	0	1	0	1	0	0	0	1	0	
Mobilgas WA200 ATF	0	0	0	2	4	1	1	1	0	1	0	1	0	0	0	1	0	
Mobilgear 600 Series	1	0	2	1	3	1	1	1	1	3	3	3	4	0	4	0	1	
Mobilgear SHC ISO Series	1	0	2	2	3	1	1	1	1	3	3	3	4	0	4	0	1	
Mobilgrease HP	1	0	1	2	4	1	1	1	1	2	4	2	4	0	4	0	2	
Mobilgrease HTS	1	0	1	2	4	1	1	1	1	2	4	2	4	0	4	0	2	

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Mobilgrease SM	1	0	1	2	4	1	1	1	1	2	4	2	4	0	4	0	2
Mobilith AW Series	1	0	1	2	4	1	1	1	1	2	4	2	4	0	4	0	2
Mobilith SHC Series	1	0	1	3	4	1	1	1	1	2	4	2	4	0	4	0	2
Mobilmistlube Series	1	0	2	1	3	1	1	1	1	3	3	3	4	0	4	0	1
Mobiloil SAE 20	0	0	0	2	4	1	1	1	0	1	0	1	0	0	0	1	0
Mobilux	0	0	0	2	4	1	1	1	0	1	0	1	0	0	0	1	0
Molasses	0	0	0	2	2	0	1	1	0	1	2	1	4	1	4	0	0
Molybdenum Disulfide Grease	0	0	0	4	4	1	1	2	0	1	0	1	0	0	0	1	0
Molybdenum Oxide	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Molybdenum Trioxide	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Molybdic Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Monobromobenzene	4	0	4	4	4	1	1	2	4	4	4	4	4	1	4	4	4
Monobromotoluene	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0
Monochloroacetic Acid	0	0	4	2	1	0	2	0	0	2	1	2	4	1	4	0	0
Monochloroacetic Acid, Ethyl Ester	4	0	4	4	2	0	1	2	4	4	2	4	4	1	4	0	4
Monochloroacetic Acid, Methyl Ester	4	0	4	4	1	0	1	2	4	4	1	4	4	1	4	0	4
Monochloroacetic Acid	4	0	4	1	1	2	1	4	1	3	1	3	1	0	1	0	2
Monochlorobenzene	4	0	4	4	4	1	1	2	2	4	4	4	4	0	4	4	4
Monochlorobutene	4	0	3	4	0	1	1	1	2	0	4	0	4	0	4	0	0
Monoethanolamine	4	0	4	4	2	2	1	4	4	4	2	4	2	0	2	0	2
Monoethyl Amine	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Monoisopropylamine	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Monomethyl Aniline	4	0	4	1	1	1	1	2	1	4	1	4	1	0	1	2	2
Monomethyl Ether	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
Monomethyl Hydrazine	0	0	0	2	1	2	2	4	0	2	1	2	0	0	2	2	4
Monomethylamine	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Monomethylaniline	4	0	4	4	4	1	1	3	0	4	2	4	4	0	4	2	0
Mononitrotoluene	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Mononitrotoluene, 40% & Dinitrotoluene, 60%	4	0	4	4	1	2	2	3	3	4	4	4	4	0	4	3	4
Monovinyl Acetate	4	0	4	4	2	0	0	0	1	0	1	4	4	1	4	0	4
Monovinyl Acetylene	0	0	0	2	1	1	1	1	0	1	1	1	2	0	2	3	2
Mopar Brake Fluid	0	0	0	2	1	4	1	4	4	3	2	3	0	0	1	1	3
Morpholine	4	0	3	4	2	1	1	1	2	4	2	4	4	1	4	0	0
Motor Oils	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2

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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									
Myristic Acid	4	0	3	4	0	1	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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3] Noticeable change (Volume swell 20–40%)

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Simrit Chemical Compatibility Guide

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	AEM	CR	ETP	FKM	HNBR	NBR	PTFE	TFE/P									
Nitric Acid, White Fuming	0	0	4	4	4	2	2	4	0	4	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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Simrit Chemical Compatibility Guide

Chemical Medium	ACM		AU		EPDM		FFKM		FVMQ		IIR		NR		SBR		VMQ	
	AEM		CR		ETP		FKM		HNBR		NBR		PTFE		TFE/P			
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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Simrit Chemical Compatibility Guide

Chemical Medium	ACM	AU	EPDM	FFKM	FVMQ	IIR	NR	SBR	VMQ								
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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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Chemical Medium	ACM	AU	EPDM	FFKM	FVMQ	IIR	NR	SBR	VMQ									
	AEM	CR	ETP	FKM	HNBR	NBR	PTFE	TFE/P										
Petroleum < 121°C/250°F	1	0	1	2	4	1	1	2	2	1	4	1	4	1	4	1	2	
Petroleum > 121°C/250°F	1	0	1	2	4	2	1	3	4	1	4	4	4	1	4	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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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									
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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Simrit Chemical Compatibility Guide

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Polyglycerol	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2	
Polyglycol	4	0	4	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

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Simrit Chemical Compatibility Guide

Chemical Medium	ACM	AU	EPDM	FFKM	FVMQ	IIR	NR	SBR	VMQ								
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Potassium Metabisulfate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2	
Potassium Metachromate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2	
Potassium Monochromate	4	0	4	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	
Potassium Nitrite	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2	
Potassium Oxalate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2	
Potassium Perchlorate	4	0	4	2	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	
Potassium Permanganate	4	0	4	2	1	1	2	1	4	1	4	4	1	2	0	2	
Potassium Persulfate	4	0	4	4	1	1	1	1	4	1	4	4	1	2	0	2	
Potassium Phosphate, Acidic	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2	
Potassium Phosphate, Alkaline	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2	
Potassium Phosphate, Dibasic or Tribasic	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2	
Potassium Pyrosulfate	4	0	4	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	0	1	1	1	
Potassium Sodium Tartrate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2	
Potassium Stannate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2	
Potassium Stearate	4	0	4	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	
Potassium Sulfide	4	0	4	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	2	0	2	0	1	
Potassium Tartrate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2	
Potassium Thiocyanate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2	
Potassium Thiosulfate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2	
Potassium Triphosphate	4	0	4	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	
Prestone Antifreeze	4	0	4	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	2	4	2	4	0	4	1	2	
Producer Gas	2	0	1	2	4	1	1	2	1	4	1	4	2	4	1	2	
Propane	1	1	1	2	4	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
Pyrrrole	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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Chemical Medium	ACM		AU		EPDM		FFKM		FVMQ		IIR		NR		SBR		VMQ	
	AEM		CR		ETP		FKM		HNBR		NBR		PTFE		TFE/P			
Quinidine	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	0
Quinine	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	0
Quinine Bisulfate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	0	2
Quinine Hydrochloride	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	0	2
Quinine Sulfate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	0	2
Quinine Tartrate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	0	2
Quinizarin	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	0
Quinoline	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	0
Quinone	4	0	3	4	4	1	1	2	2	2	4	2	4	0	4	0	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	1	2
Raffinate	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	0
Rapeseed Oil	2	0	2	2	1	1	1	1	1	2	1	2	4	1	4	1	1	4
Red Line 100 Oil	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	1	4
Red Oil (MIL-H-5606)	1	0	1	3	3	1	1	1	1	1	4	1	4	1	4	1	1	4
Resorcinol	4	0	4	1	4	1	1	1	1	3	1	4	1	0	1	1	1	2
Riboflavin	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	0
Ricinoleic Acid	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	0
Rosin	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	0
Saccharin Solution	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	0	2
Sagrotan	0	0	4	2	1	0	1	1	1	2	1	2	1	1	1	0	0	1
Sal Ammoniac	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	2
Salicylic Acid	0	0	1	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	1
Santosafe 300	4	0	0	4	3	1	1	1	1	4	3	4	4	0	4	1	1	1
Sea Salt	0	0	0	2	1	0	1	1	0	1	0	1	0	0	0	0	0	0
Sea Water	4	1	2	2	1	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	0	2
Selenic Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	0	2
Selenious Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	0	2
Sewage	4	0	4	2	1	1	1	1	1	1	1	1	1	0	1	1	1	1
SF 1147 GE Silicone Fluid	0	0	0	0	3	1	1	1	0	2	3	2	0	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	0	4
SF 96 GE Silicone Fluid	1	0	2	1	1	1	1	1	1	2	1	2	1	0	1	0	0	4
Shell 3XF Mine Fluid	4	0	4	2	4	1	1	1	1	1	4	1	4	0	4	1	1	0
Shell Alvania Grease	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	1	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

Simrit Chemical Compatibility Guide

Chemical Medium	ACM	AU	EPDM	FFKM	FVMQ	IIR	NR	SBR	VMQ								
	AEM	CR	ETP	FKM	HNBR	NBR	PTFE	TFE/P									
Shell Carnea 19 & 29	1	0	2	4	4	1	1	1	1	1	4	1	4	0	4	1	0
Shell Diala	1	0	2	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Shell IruS 905	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Shell Lo Hydrax 27 and 29	1	0	2	2	4	1	1	1	1	1	4	1	4	0	4	0	4
Shell Macome 72	1	0	2	2	4	1	1	1	1	1	4	1	4	0	4	0	4
Shell Tellus 27, Petroleum Base	0	0	0	2	4	1	1	1	1	1	0	1	0	0	0	1	4
Shell Tellus 32, Petroleum Base	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	4
Shell Tellus 33	0	0	0	2	4	1	1	1	0	1	0	1	0	0	0	1	0
Shell Tellus 68	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	4
Shell UMF, 5% Aromatic	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Shellac	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	2
Silicate Esters	0	0	1	1	4	1	1	1	1	2	4	2	4	0	4	1	4
Silicic Acid, Aqueous	0	0	0	2	1	0	1	1	0	1	1	1	1	1	1	0	0
Silicon Tetrachloride	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0
Silicon Tetrafluoride	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0
Silicone Greases	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
Silicone Oils	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	4
Silver Bromide	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Silver Chloride	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Silver Cyanide	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	2
Silver Nitrate	1	0	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1
Silver Salts, Aqueous	0	0	0	2	1	0	1	1	1	2	1	2	2	1	2	0	1
Silver Sulfate	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	2
Sinclair Opaline CX-EP Lube	1	0	1	2	4	1	1	1	2	1	4	1	4	0	4	1	4
Skelly, Solvent B, C, E	0	0	0	4	4	1	1	1	1	1	4	1	4	0	4	0	0
Skydrol 500	4	4	4	4	1	3	1	4	3	4	2	4	4	1	4	1	3
Skydrol 500 B4	4	0	4	4	1	3	1	4	3	4	2	4	4	0	4	0	3
Skydrol 7000	0	0	0	4	1	1	1	3	3	4	0	4	0	0	0	1	3
Skydrol LD-4	4	0	4	4	1	3	4	4	3	4	2	4	4	0	4	0	3
Soap Solutions	4	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
Socony Mobile Type A	1	0	2	2	4	1	1	1	2	1	4	1	4	0	4	1	4
Socony Vacuum AMV AC781 Grease	1	0	2	2	4	1	1	1	2	1	4	1	4	0	4	1	4
Socony Vacuum PD959B	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Soda Ash	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Soda, Aqueous	0	0	0	2	1	0	1	1	1	1	1	1	1	1	1	0	1

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

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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									
Sodium Acetate	3	0	3	2	1	4	1	4	4	2	1	2	1	0	4	2	4
Sodium Acid Bisulfate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Acid Fluoride	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Acid Sulfate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Aluminate	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	2
Sodium Aluminate Sulfate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Anthraquinone Disulfate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Antimonate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Arsenate	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	2
Sodium Arsenite	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Benzoate	4	0	4	2	1	1	1	2	1	1	1	1	1	1	1	0	2
Sodium Bicarbonate	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Bichromate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Bifluoride	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Bisulfate	4	0	0	1	1	1	1	1	1	1	1	1	1	0	2	1	1
Sodium Bisulfide	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Bisulfite	4	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Bitartrate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Borate	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Sodium Bromate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Bromide	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	2
Sodium Carbonate	4	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Chlorate	4	0	4	4	1	1	1	2	1	4	1	4	4	1	4	0	2
Sodium Chloride	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Chlorite	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Chloroacetate	4	0	4	1	1	2	1	3	1	3	1	3	1	0	1	0	2
Sodium Chromate	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	2
Sodium Citrate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Cyanamide	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Cyanate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Cyanide	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Sodium Diacetate	4	0	4	1	1	2	1	4	1	3	1	3	1	0	1	0	2
Sodium Diphenyl Sulfonate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Diphosphate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Disilicate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Ethylate	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

Chemical Medium	ACM	AU	EPDM	FFKM	FVMQ	IIR	NR	SBR	VMQ								
	AEM	CR	ETP	FKM	HNBR	NBR	PTFE	TFE/P									
Sodium Ferricyanide	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0	2
Sodium Ferrocyanide	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0	2
Sodium Fluoride	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0	2
Sodium Fluorosilicate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Glutamate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Hydrogen Sulfate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Hydrosulfide	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	2
Sodium Hydrosulfite	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Hydroxide	4	0	2	2	1	1	1	2	2	2	1	2	1	0	2	1	2
Sodium Hydroxide Pellets	0	0	0	2	1	0	1	4	0	2	0	2	0	0	0	1	0
Sodium Hypochlorite	4	0	4	2	1	1	1	1	2	2	1	2	4	1	4	1	2
Sodium Hypophosphate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Hypophosphite	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Hyposulfite	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Iodide	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	2
Sodium Lactate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Metaphosphate	0	0	0	2	1	1	1	1	1	1	1	1	1	0	1	1	0
Sodium Metasilicate	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	2
Sodium Methylate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Monophosphate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Nitrate	0	0	0	2	1	1	1	1	0	2	1	2	1	1	1	1	4
Sodium Nitrite	0	0	0	2	1	0	1	1	0	2	1	2	1	1	1	0	0
Sodium Oleate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Orthosilicate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Oxalate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Perborate	0	0	0	2	1	1	1	1	1	2	1	2	2	0	2	1	2
Sodium Percarbonate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Perchlorate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Peroxide	4	0	4	2	1	1	1	2	1	2	1	2	2	0	2	1	4
Sodium Persulfate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Phenolate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Phenoxide	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Phosphate, Dibasic	1	0	1	2	1	1	1	1	0	1	1	1	1	1	1	1	4
Sodium Phosphate, Tribasic	1	0	1	2	1	1	1	1	0	1	1	1	1	0	1	1	1
Sodium Phosphate, Monobasic	1	0	1	2	1	1	1	1	0	1	1	1	1	0	1	1	4
Sodium Plumbite	4	0	4	1	1	1	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								
Sodium Pyrophosphate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Resinate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Salicylate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Salts	1	0	1	2	1	1	1	1	1	1	1	1	0	1	1	1
Sodium Silicate	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	0
Sodium Stannate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Sulfate	4	0	1	2	1	1	1	1	1	1	1	1	1	1	0	1
Sodium Sulfate Decahydrate	0	0	0	0	2	1	1	1	1	0	0	4	0	0	0	1
Sodium Sulfate, Anhydrous	0	0	0	0	1	1	1	1	1	0	0	1	0	0	0	1
Sodium Sulfide	4	0	1	2	1	1	1	1	1	2	2	2	4	1	2	0
Sodium Sulfite	4	0	1	1	1	1	1	1	1	1	1	1	2	0	2	1
Sodium Sulfoyanide	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Tartrate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Tetraborate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Tetrphosphate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Tetrasulfide	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Thioarsenate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Thiocyanate	4	0	4	1	1	1	1	1	3	1	3	1	0	1	0	2
Sodium Thiosulfate	4	0	1	1	1	1	1	1	4	1	2	1	1	1	0	1
Sodium Trichloroacetate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Triphosphate	4	0	4	1	1	1	3	1	3	1	3	1	0	1	0	2
Sodium Tripolyphosphate	0	0	0	0	1	2	1	2	0	0	0	4	0	0	0	1
Sodium, Molten	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0
Solvasol 1, 2 & 3	2	0	2	2	4	1	1	2	1	1	4	1	4	0	4	4
Solvasol 73	2	0	2	2	4	1	1	1	1	2	4	2	4	0	4	4
Solvasol 74	2	0	2	2	4	1	1	1	1	2	4	2	4	0	4	4
Sorbitol	4	0	4	1	1	1	2	1	3	1	3	1	0	1	0	2
Sour Crude Oil	4	0	4	4	4	2	1	4	4	3	4	3	4	0	4	0
Sour Natural Gas	4	0	4	4	4	2	1	4	4	3	4	3	4	0	4	0
Soybean Oil	1	2	2	3	3	1	1	1	1	1	3	1	4	1	4	1
Spermaceti	0	0	0	2	4	0	1	1	0	1	4	1	4	1	0	0
Spindle Oil	1	0	1	2	4	0	1	1	1	1	4	1	4	1	4	0
Spry	1	0	1	2	2	1	1	1	1	1	2	1	4	0	4	1
SR-10 Fuel	2	0	2	4	4	1	1	1	1	1	4	1	4	0	4	1
SR-6 Fuel	2	0	2	4	4	1	1	1	1	2	4	2	4	0	4	1
Standard Clean 2	0	0	0	0	0	0	1	0	4	0	0	0	0	0	0	4

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Chemical Medium	ACM	AU	EPDM	FFKM	FVMQ	IIR	NR	SBR	VMQ								
	AEM	CR	ETP	FKM	HNBR	NBR	PTFE	TFE/P									
Standard Oil Mobilube GX90-EP Lube	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Stannic Ammonium Chloride	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Stannic Chloride	0	0	0	4	1	1	1	1	1	1	1	1	1	0	1	1	2
Stannic Chloride, 50%	0	0	0	4	1	1	1	1	1	1	1	1	1	0	1	0	2
Stannic Tetrachloride	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Stannous Bisulfate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Stannous Bromide	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Stannous Chloride	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	2
Stannous Fluoride	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0	2
Stannous Sulfate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Starch Syrup	0	0	0	1	1	0	1	1	0	1	1	1	1	1	1	0	0
Starch, Aqueous	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	0	1
Stauffer 7700	2	0	0	4	4	1	1	1	2	2	4	2	4	0	4	3	4
Steam	0	0	4	4	1	1	2	2	4	4	1	4	4	1	4	0	4
Steam < 149°C/300°F	0	0	0	4	1	2	1	2	4	4	0	4	0	0	0	2	3
Steam > 149°C/300°F	0	0	0	4	4	3	2	4	4	4	0	4	0	0	0	3	4
Steam Below 400°G	4	0	4	4	3	1	2	4	4	4	2	4	4	1	4	1	3
Steam, 400°-500°f	4	0	4	4	3	3	4	4	4	4	4	4	4	0	4	0	4
Stearic Acid	1	0	1	2	2	1	1	1	1	2	2	2	4	1	1	1	2
Stoddard Solvent	1	3	1	4	4	1	1	1	1	1	4	1	4	1	4	2	4
Strontium Acetate	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0	2
Strontium Carbonate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Strontium Chloride	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Strontium Hydroxide	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Strontium Nitrate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Styrene	4	4	3	4	4	1	1	2	3	4	4	4	4	1	4	4	4
Succinic Acid	4	0	4	2	1	1	1	2	1	1	1	1	1	1	1	0	2
Sucrose Solutions	4	0	4	2	1	1	1	1	1	1	1	1	1	1	1	0	1
Sugar Syrup	0	0	0	0	1	0	1	1	0	1	1	1	1	1	0	0	0
Sulfamic Acid	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	2
Sulfanilic Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sulfanilic Chloride	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Sulfanilimide	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Sulfite Liquors	4	0	4	1	2	1	1	2	2	3	1	2	1	0	1	0	4
Sulfolane	0	0	0	2	1	2	1	2	0	2	0	2	0	0	0	1	0

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

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0] Insufficient info

Simrit Chemical Compatibility Guide

Chemical Medium	ACM	AU	EPDM	FFKM	FVMQ	IIR	NR	SBR	VMQ								
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Sulfonated Oils	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Sulfonic Acid	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sulfonyl Chloride	4	0	4	1	1	2	2	3	1	3	1	3	1	0	1	0	2
Sulfur	4	0	0	1	1	1	1	1	1	4	1	4	4	1	4	0	0
Sulfur (Molten 250°F)	4	0	4	3	3	1	1	1	1	4	3	4	4	0	4	1	3
Sulfur Chloride	4	0	3	4	4	1	1	1	1	4	4	4	4	1	4	1	3
Sulfur Dioxide	0	0	0	0	1	2	1	3	2	0	0	4	0	0	0	2	2
Sulfur Dioxide Gas, Dry	4	2	0	4	1	1	1	2	2	4	2	4	2	1	2	2	2
Sulfur Dioxide Gas, Wet	4	2	3	2	1	1	1	2	2	4	1	4	4	1	4	2	2
Sulfur Dioxide, Liquefied	4	0	0	4	1	1	1	2	2	4	2	4	4	1	4	2	2
Sulfur Hexafluoride	4	0	2	1	1	1	2	2	2	2	1	2	4	1	1	3	2
Sulfur Liquors	4	0	0	2	2	1	1	1	2	2	2	2	2	0	2	0	4
Sulfur Monochloride	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2
Sulfur Tetrafluoride	0	0	0	0	0	1	2	3	0	0	0	0	0	0	0	0	0
Sulfur Trioxide	4	0	4	4	2	1	1	1	2	4	2	4	2	1	3	2	2
Sulfuric Acid	2	0	4	4	1	1	1	1	1	2	1	2	2	1	2	1	1
Sulfuric Acid, 20% Oleum	4	0	4	1	1	1	1	1	1	3	1	2	1	0	1	0	1
Sulfuric Acid, Concentrated Room Temp	0	4	4	4	4	1	1	1	4	4	1	4	4	1	2	4	4
Sulfuric Acid, Concentrated to 158°F	4	0	4	4	4	1	1	2	4	0	4	4	0	0	4	0	4
Sulfuric Chlorohydrin	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Sulfurous Acid	4	0	3	2	2	2	1	3	0	2	2	2	2	1	2	1	4
Sulfuryl Chloride	4	0	4	4	2	1	1	1	1	4	2	4	2	1	2	0	2
Sulphur Dioxide, Aqueous	0	0	0	4	1	0	1	1	0	4	1	4	4	1	2	0	0
Sunoco 3661	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Sunoco All Purpose Grease	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	4
Sunoco SAE 10	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Sunsafe (Fire Resistant Fluid)	4	0	4	2	4	1	1	1	1	1	4	1	4	0	4	1	0
Supershell Gasoline	2	0	2	2	4	1	1	2	2	1	4	1	4	0	4	3	4
Swanfinch EP Lubricant	1	0	1	4	4	1	1	1	1	1	4	1	4	0	4	2	4
Swanfinch Hypoid 90	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Tallow	1	0	1	2	4	1	1	1	1	1	4	1	4	1	4	0	2
T-Amyl Methyl Ether	0	0	0	0	0	1	1	4	0	0	0	0	0	0	0	0	0
Tannic Acid	2	2	1	2	1	1	1	1	1	1	1	1	1	1	2	1	2
Tanning Extract	2	0	0	2	1	0	1	1	1	1	1	1	1	1	1	0	1

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Simrit Chemical Compatibility Guide

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Tar Oil	0	0	4	4	0	1	0	0	4	4	4	4	1	4	0	0	
Tar, Bituminous	4	0	0	3	4	1	1	1	1	4	4	2	4	1	4	1	2
Tartaric Acid	0	2	1	2	2	1	1	2	1	1	2	1	1	1	1	1	1
T-Butyl Alcohol	4	0	4	2	2	1	1	1	2	2	2	2	2	1	2	1	2
T-Butyl Catechol	4	0	4	2	2	1	1	1	1	4	2	4	4	0	2	0	0
T-Butyl Mercaptan	4	0	4	4	4	1	1	1	0	4	4	4	4	1	4	1	4
T-Butylcatechol	0	0	0	2	2	1	1	1	1	4	0	4	0	0	0	1	0
Terephthalic Acid	4	0	4	1	1	1	1	1	1	3	1	3	1	0	1	0	2
Terpineol	0	0	2	4	3	1	1	1	1	2	3	2	4	0	4	1	0
Terpinyl Acetate	4	0	3	4	4	2	1	4	2	2	4	2	4	0	4	0	0
Tetrabromoethane	4	0	4	4	4	1	1	1	2	4	4	4	4	0	4	3	4
Tetrabromomethane	4	0	3	4	4	1	1	1	2	2	4	4	4	0	4	3	4
Tetrabutyl Titanate	0	0	0	2	1	1	1	1	4	2	2	2	2	1	2	1	4
Tetrachloroethane	4	0	4	4	4	1	1	1	2	4	4	4	4	1	4	4	4
Tetrachloroethylene	4	0	4	4	1	1	1	1	2	4	4	4	4	1	4	4	4
Tetraethyl Lead	0	0	2	4	4	1	1	1	2	2	4	2	4	1	4	3	0
Tetraethyl Lead Blend	0	0	0	4	4	1	1	1	2	2	4	2	4	0	4	3	0
Tetraethylorthosilicate	0	0	0	0	1	1	1	1	1	0	0	1	0	0	0	0	4
Tetrafluoromethane	0	0	0	0	1	1	1	1	0	0	0	1	0	0	0	0	4
Tetrahydrofuran	4	4	3	4	3	3	1	4	4	4	4	4	4	1	4	4	4
Tetrahydronaphthalene	4	0	4	4	4	1	1	1	1	4	4	4	4	1	4	4	4
Tetramethyl Ammonium Hydroxide	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Tetramethyldihydropyridine	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Tetraphosphoglucosate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Texaco 3450 Gear Oil	1	0	1	4	4	1	1	1	1	1	4	1	4	0	4	1	4
Texaco Capella A & AA	1	0	2	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Texaco Meropa 220, No Lead	1	0	2	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Texaco Regal B	1	0	1	4	4	1	1	1	1	1	4	1	4	0	4	1	4
Texaco Uni-Temp Grease	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	2
Texamatic A 1581 Fluid	1	0	2	2	4	1	1	1	2	1	4	1	4	0	4	0	4
Texamatic A 3401 Fluid	1	0	2	2	4	1	1	1	2	1	4	1	4	0	4	1	4
Texamatic A 3525 Fluid	1	0	2	2	4	1	1	1	2	1	4	1	4	0	4	1	4
Texamatic A 3528 Fluid	1	0	2	2	4	1	1	1	2	1	4	1	4	0	4	1	4
Texamatic A Transmission Oil	1	0	2	2	4	1	1	1	2	1	4	1	4	0	4	1	4
Texas 1500 Oil	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	2

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Simrit Chemical Compatibility Guide

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Therminol 44	4	0	4	4	1	1	1	0	4	4	4	0	0	0	4
Therminol 55	2	0	4	4	1	1	1	0	2	4	2	0	0	0	4
Therminol VP-1, 60, 65	4	0	4	4	1	1	1	0	4	4	4	0	0	0	2
Thioamyl Alcohol	1	0	2	4	1	1	1	1	1	4	1	4	0	4	2
Thiodiacetic Acid	4	0	1	1	1	1	3	1	3	1	3	1	0	1	2
Thioethanol	4	0	1	1	1	1	3	1	3	1	3	1	0	1	2
Thioglycolic Acid	4	0	1	1	1	1	3	1	3	1	3	1	0	1	2
Thiokol TP-90B	0	0	2	1	1	1	2	2	4	1	4	0	0	4	0
Thiokol TP-95	0	0	2	1	1	1	2	2	4	1	4	0	0	4	0
Thionyl Chloride	4	0	4	3	1	1	2	2	4	1	4	2	1	2	0
Thiophene	4	0	4	4	3	1	4	2	4	4	4	4	1	4	0
Thiophosphoryl Chloride	4	0	1	1	1	1	3	1	3	1	3	1	0	1	2
Thiourea	4	0	1	1	1	1	3	1	3	1	3	1	0	1	2
Thorium Nitrate	4	0	1	1	1	1	3	1	3	1	3	1	0	1	2
Tidewater Multigear, 140 EP Lube	1	0	2	4	1	1	1	1	1	4	1	4	0	4	4
Tidewater Oil, Beedol	1	0	2	4	1	1	1	1	1	4	1	4	0	4	2
Tin Ammonium Chloride	4	0	1	1	1	1	3	1	3	1	3	1	0	1	2
Tin Chloride	1	0	2	1	1	1	1	1	1	1	1	1	1	1	2
Tin Tetrachloride	1	0	2	4	1	1	1	1	1	4	1	4	0	4	2
Titanic Acid	4	0	1	1	1	1	3	1	3	1	3	1	0	1	2
Titanium Dioxide	4	0	1	1	1	1	2	1	3	1	3	1	0	1	2
Titanium Sulfate	4	0	1	1	1	1	3	1	3	1	3	1	0	1	2
Titanium Tetrachloride	2	0	2	4	1	2	1	2	2	1	2	1	1	1	4
Toluene	4	4	4	4	4	1	2	2	4	4	4	4	1	4	4
Toluene Diisocyanate	4	0	4	2	3	1	4	4	4	2	4	4	0	4	4
Toluene Sulfonic Acid	4	0	1	1	1	1	3	1	3	1	3	1	0	1	2
Toluene Sulfonyl Chloride	4	0	4	4	1	1	1	2	2	4	2	4	0	4	0
Toluenesulfonic Acid	4	0	1	1	1	1	3	1	3	1	3	1	0	1	2
Toluidine	4	0	4	4	2	1	3	2	2	4	2	4	0	4	0
Toluol	4	0	1	1	1	1	3	1	3	1	3	1	0	1	2
Toluquinone	4	0	4	4	1	1	1	2	2	4	2	4	0	4	0
Tolylaldehyde, PARA	4	0	1	1	1	1	3	1	3	1	3	1	0	1	2
Tosyl Arginine Methyl Ester	0	0	4	3	0	1	4	0	4	0	4	0	0	0	4
Town Gas, Benzene Free	1	0	2	4	0	1	1	1	1	4	1	4	1	4	1
Transformer Oil	1	0	4	4	1	1	1	1	1	4	1	4	1	4	2
Transmission Fluid, Type A	1	1	2	4	1	1	1	1	1	4	1	4	1	4	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			
Triacetin	4	0	4	2	1	2	1	4	4	2	1	2	2	1	4	4	0	
Triallyl Phosphate	0	0	0	0	1	1	1	1	2	0	0	4	0	0	0	1	3	
Triaryl Phosphate	4	0	4	4	1	1	1	1	2	4	1	4	4	0	4	1	3	
Tribromomethylbenzene	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	
Tributoxyethyl Phosphate	4	0	4	4	1	1	1	2	2	4	4	4	4	1	4	1	0	
Tributyl Citrate	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0	2	
Tributyl Mercaptan	4	0	0	4	4	1	1	2	3	4	4	4	4	0	4	0	4	
Tributyl Phosphate	4	0	4	4	1	3	1	4	4	4	4	4	4	1	4	2	4	
Trichloroacetic Acid	4	0	4	4	2	2	1	4	4	2	2	2	2	1	2	3	0	
Trichloroacetyl Chloride	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	
Trichlorobenzene	4	0	3	4	4	1	1	2	2	2	4	2	4	0	4	0	0	
Trichloroethane	4	0	4	4	4	1	1	1	2	4	4	4	4	0	4	4	4	
Trichloroethanolamine	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2	
Trichloroethyl Phosphate	0	0	0	4	0	0	2	4	0	4	0	4	0	1	0	0	0	
Trichloroethylene	4	0	4	4	4	1	1	1	2	3	4	3	4	1	4	4	4	
Trichlorofluoromethane	0	0	0	0	4	2	2	2	2	0	0	2	0	0	0	4	4	
Trichloromethane	4	0	4	4	4	1	1	1	2	4	4	4	4	0	4	0	4	
Trichloronitromethane	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2	
Trichloropropane	4	0	4	4	4	1	1	1	2	4	4	4	4	0	4	0	4	
Trichlorosilane	4	0	4	4	4	1	1	1	2	4	4	4	4	0	4	0	4	
Trichlorotrifluoroethane	0	0	0	1	4	2	2	2	4	1	0	2	0	0	0	4	4	
Tricresyl Phosphate	4	0	2	4	1	1	1	1	2	4	2	4	4	1	4	1	3	
Triethanolamine	4	0	4	2	2	3	2	4	4	3	2	3	4	1	2	1	4	
Triethyl Aluminium	0	0	0	0	3	1	1	2	0	0	0	4	0	1	0	0	0	
Triethyl Borane	0	0	0	0	3	1	1	1	0	0	0	4	0	1	0	0	0	
Triethyl Phosphate	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	
Triethylene Glycol	4	0	4	1	1	1	1	2	1	3	1	3	1	0	1	0	2	
Triethylenetetramine	4	0	4	1	1	3	1	4	1	3	1	3	1	0	1	0	2	
Trifluoroacetic Acid	4	0	4	1	1	2	2	3	1	3	1	3	1	0	1	0	2	
Trifluoroethane	4	0	4	4	4	1	1	1	2	4	4	4	4	0	4	2	4	
Trifluoromethane	4	0	4	4	4	1	1	1	2	4	4	4	4	0	4	0	4	
Trifluorovinylchloride	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	
Triglycol	0	0	0	1	1	0	1	1	0	1	1	1	1	1	1	0	0	
Triisopropylbenzylchloride	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	
Trimethyl Borate	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0	
Trimethylamine	4	0	4	1	1	3	2	4	1	3	1	3	1	0	1	0	2	

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Trimethylbenzene	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Trimethylolpropane	0	0	0	2	2	0	1	1	0	4	2	4	2	1	0	0	0
Trimethylpentane	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	0	2
Trinitrotoluene	4	0	0	2	4	1	1	2	2	4	4	4	4	1	4	2	0
Trioctyl Phosphate	4	0	4	4	2	1	1	2	2	4	2	4	4	1	4	1	3
Triphenyl Phosphite	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Tripoly Phosphate	4	0	4	3	1	1	1	2	1	4	1	4	4	0	4	1	3
Tripotassium Phosphate	4	0	4	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Trisodium Phosphate	4	0	4	2	1	1	1	1	1	1	1	1	1	1	1	0	1
Tung Oil	0	0	3	2	4	1	1	1	2	1	3	1	4	0	4	1	4
Tungsten Hexafluoride	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0
Turbine Oil	1	1	1	4	4	1	1	1	1	1	4	1	4	1	4	1	4
Turbo Oil #35	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Turpentine	2	0	4	4	4	1	1	2	2	1	4	1	4	1	4	1	4
Ucon Hydrolube J-4	4	0	4	2	1	1	1	1	2	1	1	2	0	0	1	1	1
Ucon Lubricant 50-HB-100	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	0	1
Ucon Lubricant 50-HB-260	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	0	1
Ucon Lubricant 50-HB-5100	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	0	1
Ucon Lubricant 50-HB-55	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	0	1
Ucon Lubricant 50-HB-660	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	0	1
Ucon Lubricant LB-1145	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	0	1
Ucon Lubricant LB-135	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	0	1
Ucon Lubricant LB-285	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	0	1
Ucon Lubricant LB-300x	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	0	1
Ucon Lubricant LB-625	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	0	1
Ucon Lubricant LB-65	0	0	0	1	1	1	1	1	1	1	1	1	2	0	2	1	1
Ucon Oil 50-HB-280X	0	0	0	2	1	1	1	3	0	2	0	2	0	0	0	1	0
Ucon Oil Heat Transfer 500	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	0	1
Ucon Oil LB-385	0	0	0	1	1	2	1	4	1	1	1	1	1	0	1	1	1
Ucon Oil LB-400X	0	0	0	1	1	2	1	4	1	1	1	1	1	0	1	1	1
Ultra Pure Deionized Water	4	0	4	1	2	1	1	2	1	3	1	3	1	0	1	2	2
Undecylenic Acid	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Undecylic Acid	4	0	3	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Univis 40 Hydraulic Fluid	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Univolt No. 35 Mineral Oil	1	0	1	2	4	1	1	1	1	1	4	1	4	0	4	1	4

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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								
Unsymmetrical Dimethyl Hydrazine	0	0	2	1	3	2	4	4	2	1	2	1	0	2	3	4
Uranium Hexachloride	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
Urea	0	0	2	1	0	1	1	0	1	1	1	1	1	1	0	0
Uric Acid	4	0	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Valeraldehyde	4	0	1	1	3	1	4	1	3	1	3	1	0	1	0	2
Valeric Acid	4	0	1	1	1	1	1	1	3	1	3	1	0	1	0	2
Vanadium Oxide	1	0	2	4	1	1	1	1	1	4	1	4	0	4	0	2
Vanadium Pentoxide	1	0	2	4	1	1	1	1	1	4	1	4	0	4	0	2
Varnish	4	1	4	4	1	1	1	2	2	4	2	4	1	4	2	4
Vaseline	1	0	1	4	0	1	1	1	1	4	1	4	1	4	0	2
Vaseline Oil	1	0	1	4	0	1	1	1	1	4	1	4	1	4	0	2
Vegetable Oils	1	0	3	3	1	1	1	1	1	3	1	4	0	4	1	1
Versilube F44, F55	0	0	1	1	1	1	1	1	1	0	1	0	0	0	1	3
Versilube F-50	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	3
Vinegar	4	2	2	1	1	1	1	3	2	2	2	2	1	2	0	3
Vinyl Acetate	0	0	2	2	3	1	4	0	2	0	4	0	1	0	4	0
Vinyl Benzene	4	0	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Vinyl Benzoate	4	0	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Vinyl Chloride	4	0	4	4	1	1	2	2	2	4	4	4	1	4	0	0
Vinyl Cyanide	4	0	4	4	3	1	3	4	4	4	4	3	1	3	2	4
Vinyl Fluoride	4	0	4	4	1	1	2	2	2	4	2	4	0	4	0	0
Vinylidene Chloride	4	0	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Vinylpyridine	4	0	4	4	1	1	1	2	2	4	2	4	0	4	0	0
Vitriol, White	4	0	1	1	1	1	3	1	3	1	3	1	0	1	0	2
Water	4	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2
Wax Alcohol	0	0	2	4	0	1	1	0	2	4	1	4	1	0	0	0
Wemco C	1	0	2	4	1	1	1	1	1	4	1	4	0	4	1	4
Whiskey	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
White Liquor	0	0	1	1	1	1	1	0	1	0	1	0	0	0	1	0
White Lye	0	0	2	1	0	2	4	0	2	1	2	4	1	1	0	0
White Oil	1	0	2	4	1	1	1	1	1	4	1	4	1	4	1	1
White Pine Oil	0	0	4	4	1	1	1	1	2	4	2	4	0	4	1	4
White Pine Tar	0	0	4	4	0	1	1	1	2	4	2	4	1	4	0	4
White Spirit	1	0	2	4	0	1	1	0	2	4	1	4	1	4	0	0
Wine	4	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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Chemical Medium	ACM	AU	EPDM	FFKM	FVMQ	IIR	NR	SBR	VMQ
	AEM	CR	ETP	FKM	HNBR	NBR	PTFE	TFE/P	
Wolmar Salts	2	0	1	2	1	1	1	1	1
Wood Alcohol	4	0	4	1	1	1	4	1	1
Wood Oil	1	0	3	2	4	1	1	2	1
Wool Fat	1	0	1	1	1	0	1	1	1
Xenon	1	0	1	1	1	1	1	1	1
Xylamon, Wood Preservative	4	0	2	4	4	0	1	2	0
Xylene	4	4	4	4	4	1	1	2	1
Xylidenes- Mixed-Aromatic Amines	4	0	4	4	1	1	1	4	4
Xylidine	0	0	0	0	4	3	1	4	4
Xylol	4	0	4	4	4	1	1	1	4
Yeast, Aqueous	0	0	0	1	1	1	1	1	1
Zeolites	1	0	1	1	1	1	1	1	5
Zinc Acetate	1	0	1	2	1	2	1	4	4
Zinc Ammonium Chloride	4	0	4	1	1	2	1	3	1
Zinc Chloride	4	0	0	1	1	1	1	1	1
Zinc Chromate	4	0	4	1	1	2	1	3	1
Zinc Cyanide	4	0	4	1	1	2	1	3	1
Zinc Diethyldithiocarbamate	4	0	4	1	1	2	1	3	1
Zinc Dihydrogen Phosphate	4	0	4	1	1	1	1	3	1
Zinc Hydrosulfite	4	0	4	1	1	2	1	3	1
Zinc Nitrate	4	0	0	0	1	1	1	1	1
Zinc Oxide	4	0	0	0	1	1	1	1	1
Zinc Phenolsulfonate	4	0	4	1	1	2	1	3	1
Zinc Phosphate	4	0	1	1	1	1	1	1	1
Zinc Salts	4	0	1	1	1	1	1	1	1
Zinc Stearate	4	0	4	1	1	1	1	3	1
Zinc Sulfate	4	0	4	1	1	1	1	1	2
Zinc Sulfide	4	0	4	1	1	2	1	3	1
Zirconium Nitrate	4	0	4	1	1	1	1	1	2

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