

					Chemical F	Resistance	:
	Chemical name	Chemical formula	Concentration	20 °C	60 °C	90 °C	Other
	(Synonym)	(CAS number)		68 °F	140 °F	194 °F	
			20%	M	G	М	-
	Hydrochloric acid	HCI	10%	Ex	G	M	-
	rrydrocinoric acid		5%	Ex	Ex	G	-
		(7647-01-0)	3%	Ex	Ex	G	-
spi	Nitric acid	HNO ₃ (7697-37-2)	10%	Ех	G	G	-
Inorganic Acids	Nitrous acid	HNO ₂ (7782-77-6)	10%	Ex	G	G	-
luo	Phosphoric acid	H ₃ PO ₄	10%	G	М	Р	-
	(orthophosphoric acid)	(7664-38-2)	5%	Ex	G	G	-
		H₂SO4	20%	M	Ex	Р	-
	Sulphuric acid		10%	Ex	Ex	М	-
			5%	Ex	Ex	Ex	-
		(7664-93-9)	3%	Ex	Ex	Ex	-
			10%	M*	Р	Р	-
	Acetic acid	CH₃COOH	5%	Ex*	М	P	-
ds	(ethanoic acid)	(64-19-7)	1%	Ex*	G	G	-
ic Aci			0.1%	Ex*	Ex	Ex	-
Organic Acids	Carbonic acid	H ₂ CO ₃ (463-79-6)	-	Ex	Ex	Ex	-
	Phenol (hydroxybenzene)	C ₆ H ₅ OH (108-95-2)	80%	M*	Р	Р	-

Excellent	Ex	no significant deterioration / barrier properties retained for greater than 52 weeks		
		suitable for all applications including long term immersion		
Good	G	no significant deterioration / barrier properties retained for 12 - 52 weeks		
Good	d	suitable for short-term immersion and general chemical contact		
Madayata	D.4	no significant deterioration / barrier properties retained for 1 - 12 weeks		
Moderate M suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment		suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment		
Door	D	significant deterioration / loss of barrier properties after 1 week or less		
Poor	P	not suitable for any application		
*		Product must be post cured @ minimum temperature of 140°F (60°C) to deliver quoted chemical resistance		
Ex		Bold text highlights real life data obtained via chemical resistance testing		
Ex	•	Normal font indicates that the resistance has been predicted based upon partial test data and/or similar reagents		





_					Chemical Resistance					
	Chemical name (Synonym)	Chemical formula (CAS number)	Concentration	20 °C 68 °F	60 °C 140 °F	90 °C 194 °F	Other			
	Acetone (propanone)	(CH ₃) ₂ CO (67-64-1)	-	Ex	-	1	1			
	Amyl alcohol	C₅H ₁₁ OH (71-41-0)	-	Ex	Ex	Ex	-			
	n-Butanol (butyl alcohol)	C₄H ₉ OH (71-36-3)	-	Ex	Ex	Ex	-			
les	Ethanol (ethyl alcohol)	CH ₃ CH ₂ OH (64-17-5)	-	Ex	Ex	-	-			
and Keton	Ethylene glycol (ethan-1,2-diol, monoethylene glycol, MEG)	(CH ₂ OH) ₂	-	Ex	Ex	Ex	-			
Alcohols, Aldehydes and Ketones	Glycerol (glycerine, propane-1,2,3-triol)	HOCH ₂ CH(OH)CH ₂ OH (56-81-5)	-	Ex	Ex	Ex	-			
cohols, Al	n-Hexanol (hexyl alcohol)	C ₆ H ₁₃ OH (111-27-3)	-	Ex	Ex	Ex	-			
Alc	Higher alcohols	$C_nH_{(2n+1)}OH$ where $n > 2$	-	Ex	Ex	Ex	-			
	Isopropyl alcohol (IPA) (isopropanol, propan-2-ol)	CH ₃ CH(OH)CH ₃ (67-63-0)	-	Ex	Ex	ı	ı			
	Isobutyl alcohol (IBA) (isobutanol, 2-methylpropan-1-ol)	(CH ₃) ₂ CHCH ₂ OH (78-83-1)	-	Ex	Ex	Ex	-			
	Methanol (methyl alcohol)	CH ₃ OH (67-56-1)	-	Ex	Ex	-	-			
	Methanol solution (aqueous)	55%	Ex	Ex	ı	79°C 174°F Ex				
	Methyl ethyl ketone (MEK) (2-butanone, methyl acetone)	CH ₃ C(O)CH ₂ CH ₃ (78-93-3)	Ex	G	-	-				

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Good	G	no significant deterioration / barrier properties retained for 12 - 52 weeks		
Good	d	suitable for short-term immersion and general chemical contact		
Madayata	D.4	no significant deterioration / barrier properties retained for 1 - 12 weeks		
Moderate M suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment		suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment		
Door	D	significant deterioration / loss of barrier properties after 1 week or less		
Poor	P	not suitable for any application		
*		Product must be post cured @ minimum temperature of 140°F (60°C) to deliver quoted chemical resistance		
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					Chemical I	Resistance	
	Chemical name	Chemical formula	Concentration	20 °C	60 °C	90 °C	Other
	(Synonym)	(CAS number)	Concentiation	68 °F	140 °F	194 °F	
	Propan-1-ol	CH₃CH₂CH₂OH	-	Ex	Ex	Ex	-
	(Propyl alcohol)	(71-23-8)					
nes	Propylene glycol	CH₃CH(OH)CH₂OH	-	Ex	Ex	Ex	-
Keto	(1,2-Propanediol)	(57-55-6)					
Alcohols, Aldehydes and Ketones	Secondary alcohols	R₁R₂CHOH	-	Ex	Ex	Ex	-
ldehyc	Tertiary alcohols	R₁R₂R₃COH	-	Ex	Ex	Ex	-
ls, A		1 2 3					
coho	Triethylene glycol	HOCH ₂ CH ₂ OCH ₂ CH ₂ OCH ₂ CH ₂ OH	-	Ex	Ex	Ex	_
∣₹	(triglycol)	(112-27-6)					
	Tetraethylene glycol	HOCH ₂ CH ₂ OCH ₂ CH ₂ OCH ₂ CH ₂ OCH ₂ CH ₂ OH	-	Ex	Ex	Ex	-
	(tetraglycol)	(112-60-7)					
	Barium hydroxide	Ba(OH) ₂	-	Ex	Ex	Ex	_
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(17194-00-2)					
	Calcium hydroxide	Ca(OH) ₂	-	Ex	Ex	Ex	-
	(lime water)	(1305-62-0)					
Š	Magnesium hydroxide	Mg(OH)₂	-	Ex	Ex	Ex	-
Alkalis / Bases	(milk of magnesia)	(1309-42-8)					
/ sile	Potassium hydroxide		40%	Ex	Ex	Ex	-
Alka	(caustic potash)	КОН	20%	Ex	Ex	Ex	-
		(1310-58-3)	10%	Ex	Ex	Ex	-
			50%	Ex	Ex	Ex	-
	Sodium hydroxide	NaOH	40%	Ex	Ex	Ex	-
	(caustic soda)		20%	Ex	Ex	Ex	-
		(1310-73-2)	10%	Ex	Ex	Ex	-

Excellent	Ex	no significant deterioration / barrier properties retained for greater than 52 weeks
Excellent	EX	suitable for all applications including long term immersion
Good	G	no significant deterioration / barrier properties retained for 12 - 52 weeks
Good	9	suitable for short-term immersion and general chemical contact
Madayata	D.A	no significant deterioration / barrier properties retained for 1 - 12 weeks
Moderate M suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment		suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment
Poor	D	significant deterioration / loss of barrier properties after 1 week or less
Poor	P	not suitable for any application
*		Product must be post cured @ minimum temperature of 140°F (60°C) to deliver quoted chemical resistance
Ex		Bold text highlights real life data obtained via chemical resistance testing
Ex		Normal font indicates that the resistance has been predicted based upon partial test data and/or similar reagents





				Chemical Resistance					
	Chemical name (Synonym)	Chemical formula (CAS number)	Concentration	20 °C 68 °F	60 °C 140 °F	90 °C 194 °F	Other		
	Diethanolamine (DEA) (2,2'-iminodiethanol)	HN(CH ₂ CH ₂ OH) ₂ (111-42-2)	-	Ex	Ex	Ex	-		
	Diethylene glycolamine (DGA) (2-(2-aminoethoxy) ethanol)	H ₂ NCH ₂ CH ₂ OCH ₂ CH ₂ OH (929-06-6)	-	Ex	Ex	G	-		
Si	N-Methyl diethanolamine (MDEA)	CH ₃ N(CH ₂ CH ₂ OH) ₂ (105-59-9)	-	Ех	Ex	Ex	-		
Amines & Amides	N-Methylethanolamine (2-methylaminoethanol)	CH ₃ NHCH ₂ CH ₂ OH (109-83-1)	-	Ex	Ex	Ex	-		
Amine	Monoethanolamine (MEA) (2-aminoethanol)	H ₂ NCH ₂ CH ₂ OH (141-43-5)	-	Ex	Ех	Ex	-		
	Sulfinol solution (50% diisopropanolamine, 25% tetramethylene sulphone, 25% water)	N/A	-	Ex	Ex	Ex	-		
	Triethanolamine (TEA) (2,2',2"-nitrilotriethanol)	N(CH ₂ CH ₂ OH) ₃ (102-71-6)	-	Ex	Ex	Ex	-		
	Butyl acetate (butyl ethanoate)	CH ₃ C(O)OCH ₂ CH ₂ CH ₂ CH ₃ (123-86-4)	-	Ex	Ex	Ex	-		
hers	Dibutyl phthalate (DBP) (phthalic acid dibutyl ester)	C ₆ H ₄ (C(O)OCH ₂ CH ₂ CH ₂ CH ₃) ₂ (84-74-2)	-	Ex	Ex	Ex	-		
Esters and Ethers	Diethyl ether (ether, ethoxyethane)	CH ₃ CH ₂ OCH ₂ CH ₃ (60-29-7)	-	Ex	-	-	-		
Este	Dioctyl phthalate (DOP) (bis(2-ethylhexyl) phthalate, DEHP)	$C_6H_4(C(O)OCH_2CH(CH_2CH_3)CH_2CH_2CH_2CH_3)_2$ (117-81-7)	-	Ex	Ex	Ex	-		
	Ethyl acetate (ethyl ethanoate, acetic ester)	CH ₃ C(O)OCH ₂ CH ₃ (141-78-6)	-	Ех	Ex	-	-		

Excellent	Ex	no significant deterioration / barrier properties retained for greater than 52 weeks
Excellent	EX	suitable for all applications including long term immersion
Good	G	no significant deterioration / barrier properties retained for 12 - 52 weeks
Good	9	suitable for short-term immersion and general chemical contact
Madayata	D.A	no significant deterioration / barrier properties retained for 1 - 12 weeks
Moderate M suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment		suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment
Poor	D	significant deterioration / loss of barrier properties after 1 week or less
Poor	P	not suitable for any application
*		Product must be post cured @ minimum temperature of 140°F (60°C) to deliver quoted chemical resistance
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				Chemical Resistance			:
	Chemical name (Synonym)	Chemical formula (CAS number)	Concentration	20 °C 68 °F	60 °C 140 °F	90 °C 194 °F	Other
	Butane	CH ₃ CH ₂ CH ₂ CH ₃ (106-97-8)	-	Ex	Ex	Ex	-
	Carbon dioxide	CO ₂ (124-38-9)	-	Ex	Ex	Ex	-
	Carbon monoxide	CO (630-08-0)	-	Ex	Ex	Ex	-
	Chlorine (dry)	Cl ₂ (7782-50-5)	-	Ex	Ex	Ex	-
	Ethane	C ₂ H ₆ (74-84-0)	-	Ex	Ex	Ex	-
Gases	Hydrogen	H ₂ (1333-74-0)	-	Ex	Ex	Ex	-
Ga	Hydrogen sulphide	H ₂ S (7783-06-4)	-	Ex	Ex	Ex	-
	Methane (natural gas)	CH ₄ (74-82-8)	-	Ex	Ex	Ex	-
	Nitrogen	N ₂ (7727-37-9)	-	Ex	Ex	Ex	-
	Nitrous oxide (dinitrogen monoxide)	N ₂ O (10024-97-2)	-	Ex	Ex	Ex	-
	Ozone (dry)	O ₃ (10028-15-6)	-	Ex	Ex	Ex	-
	Ozone (wet)	O ₃ (10028-15-6)	-	G*	М	М	-

Excellent	Ex	no significant deterioration / barrier properties retained for greater than 52 weeks		
		suitable for all applications including long term immersion		
Good	G	no significant deterioration / barrier properties retained for 12 - 52 weeks		
Good	d	suitable for short-term immersion and general chemical contact		
Madayata	D.4	no significant deterioration / barrier properties retained for 1 - 12 weeks		
Moderate M suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment		suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment		
Door	D	significant deterioration / loss of barrier properties after 1 week or less		
Poor	P	not suitable for any application		
*		Product must be post cured @ minimum temperature of 140°F (60°C) to deliver quoted chemical resistance		
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				(Chemical Resistance				
	Chemical name (Synonym)	Chemical formula (CAS number)	Concentration	20 °C 68 °F	60 °C 140 °F	90 °C 194 °F	Other		
Gases	Sulphur dioxide	SO ₂ (7446-09-5)	-	Ex	Ex	Ex	-		
Gas	Sulphur trioxide (sulphuric anhydride)	SO ₃ (7446-11-9)	-	Ex	Ex	Ex	-		
SI	Chlorobenzene (benzene chloride, phenyl chloride)	C ₆ H ₅ Cl (108-90-7)	-	Ex	G	М	-		
Halocarbons	Chloroform (trichloromethane)	HCCl ₃ (67-66-3)	-	Ex	-	-	-		
Ŧ	Dichloromethane (DCM) (methylene chloride)	CH ₂ Cl ₂ (75-09-2)	-	Ex*	-	-	-		
	Aviation fuel (AVCAT, AVGAS, AVTAG, AVTUR)	N/A	-	Ex	Ex	Ex	-		
	Benzene (benzol)	C ₆ H ₆ (71-43-2)	-	Ex	Ex	-	-		
	Crude Oil	N/A	-	Ex	Ex	Ex	-		
ıns	Cyclohexane	C ₆ H ₁₂ (110-82-7)	-	Ex	Ex	-	-		
Hydrocarbons	Gasoline (without Ethanol) (petrol)	N/A (8032-32-4)	-	Ex	Ex	Ex	-		
, Ŧ	Heptane	CH ₃ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ (142-82-7)	-	Ex	Ex	Ex	-		
	Hexane CH ₃ CH ₂ CH ₂ CH ₂ CH ₃ - (110-54-3)				Ex	-	-		
	lso-octane (2,2,4-trimethylpentane)	-	Ex	Ex	Ex	-			
	Kerosene	N/A (8008-20-6)	-	Ex	Ex	Ex	-		

Excellent	Ex	no significant deterioration / barrier properties retained for greater than 52 weeks		
LACEHEIIC	LX	suitable for all applications including long term immersion		
Good	G	no significant deterioration / barrier properties retained for 12 - 52 weeks		
Good	G	suitable for short-term immersion and general chemical contact		
Madarata	D.4	no significant deterioration / barrier properties retained for 1 - 12 weeks		
Moderate M suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment		suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment		
Poor	D	significant deterioration / loss of barrier properties after 1 week or less		
Poor	P	not suitable for any application		
*		Product must be post cured @ minimum temperature of 140°F (60°C) to deliver quoted chemical resistance		
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	Chemical name (Synonym)	Chemical formula (CAS number)	Concentration	20 °C 68 °F	60 °C 140 °F	90 °C 194 °F	Other
ed	Mesitylene (1,3,5-Trimethylbenzene)	C ₆ H ₃ (CH ₃) ₃ (108-67-8)	-	Ex	Ex	Ex	-
	Mineral spirits / White spirits (Stoddard solvent)	N/A (8052-41-3)	-	Ex	Ex	Ex	-
	Naphtha	N/A (8030-30-6)	-	Ex	Ex	Ex	-
Hydrocarbons continued	Naphthalene (naphthalin, white tar)	C ₁₀ H ₈ (91-20-3)	-	Ex	Ex	Ex	-
Irocarbor	Paraffin	N/A (8002-74-2)	-	Ex	Ex	Ex	-
Hyc	Pentane	CH ₃ CH ₂ CH ₂ CH ₂ CH ₃ (109-66-0)	-	Ex	-	-	-
	Toluene (methylbenzene, phenylmethane, toluol)	C ₆ H ₅ CH ₃ (108-88-3)	-	Ex	Ex	Ex	-
	Xylene (dimethyl benzene, xylol)	•		Ex	Ex	Ex	-

Excellent	Ex	no significant deterioration / barrier properties retained for greater than 52 weeks		
LACEIIEIIC		suitable for all applications including long term immersion		
Good	O	no significant deterioration / barrier properties retained for 12 - 52 weeks		
Good		suitable for short-term immersion and general chemical contact		
Moderate	М	no significant deterioration / barrier properties retained for 1 - 12 weeks		
ivioderate	IVI	suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment		
Door	D	significant deterioration / loss of barrier properties after 1 week or less		
Poor	'	not suitable for any application		
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