



				Chemical Resistance			
	Chemical name (Synonym)	Chemical formula	Concentration	20 °C 68 °F	60 °C 140 °F	90 °C 194 °F	Other
			10%	G*	M	M	-
	Hydrochloric acid	HCl	5%	G*	M	М	-
ds		(7647-01-0)	1%	Ex*	G	М	-
Inorganic Acids	Phosphoric acid (orthophosphoric acid)	H <sub>3</sub> PO <sub>4</sub> (7664-38-2)	5%	M*	M	Р	-
lno			10%	M*	Р	Р	-
	Sulphuric acid	H <sub>2</sub> SO <sub>4</sub>	5%	M*	M	P	-
		(7664-93-9)	1%	Ex*	М	М	-
			5%	P*	Р	Р	-
Acids	Acetic acid (ethanoic acid)	CH₃COOH	1%	G*	G	G	-
Organic Acids	,	(64-19-7)	0.1%	Ex*	Ex	Ex	-
Org	Phenol (hydroxybenzene)	C <sub>6</sub> H <sub>5</sub> OH (108-95-2)	80%	P*	Р	Р	-
	Acetone (propanone)	(CH <sub>3</sub> ) <sub>2</sub> CO (67-64-1)	-	M*	-	-	-
Si	Amyl alcohol	C₅H <sub>11</sub> OH (71-41-0)	-	Ex*	G	G	1
nd Ketone	n-Butanol (butyl alcohol)	C <sub>4</sub> H <sub>9</sub> OH (71-36-3)	-	Ex*	G	G	-
Alcohols, Aldehydes and Ketones	Ethanol (ethyl alcohol)	CH₃CH₂OH (64-17-5)	-	Ex*	D	ı	78°C 172°F M
cohols, A	Ethylene glycol (ethan-1,2-diol, monoethylene glycol, MEG)	(CH <sub>2</sub> OH) <sub>2</sub> (107-21-1)	-	Ex*	Ex	Ex	ı
IA	Glycerol (glycerine, propane-1,2,3-triol)	-	Ex*	G	G	-	
	n-Hexanol (hexyl alcohol)	C <sub>6</sub> H <sub>13</sub> OH (111-27-3)	-	Ex*	G	G	ī

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	G	suitable for short-term immersion and general chemical contact
D.Co. double	М	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	P	significant deterioration / loss of barrier properties after 1 week or less
Poor	Р	not suitable for any application
*		Product must be post cured to deliver quoted chemical resistance
		Troduct most ac post carea to deliver quoted chemical resistance
Ex		<b>Bold</b> 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





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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
	Higher alcohols	$C_nH_{(2n+1)}OH$ where $n > 2$	-	Ex*	G	G	-
	Isopropyl alcohol (IPA) (isopropanol, propan-2-ol)	CH <sub>3</sub> CH(OH)CH <sub>3</sub>	-	Ex*	G	-	-
	Isobutyl alcohol (IBA) (isobutanol, 2-methylpropan-1-ol)	(CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>2</sub> OH (78-83-1)	-	Ex*	G	G	-
	Methanol (methyl alcohol)	CH <sub>3</sub> OH (67-56-1)	-	Ex*	M	1	65°C 149°F M
nes	Methyl ethyl ketone (MEK) (2-butanone, methyl acetone)	CH <sub>3</sub> C(O)CH <sub>2</sub> CH <sub>3</sub> (78-93-3)	-	Ex*	M	-	-
Alcohols, Aldehydes and Ketones	Methyl isobutyl ketone (MIBK) (hexone, 4-Methylpentan-2-one)	(CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>2</sub> C(O)CH <sub>3</sub> (108-10-1)	-	Ex*	Ex*	M	-
Idehydes	Methyl pentyl ketone (methyl n-amyl ketone, heptan-2-one)	CH <sub>3</sub> COCH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub> (110-43-0)	-	Ex*	Ex	G	-
Icohols, A	Propan-1-ol (Propyl alcohol)	CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> OH (71-23-8)	-	Ex*	G	G	-
A	Propylene glycol (1,2-Propanediol)	CH <sub>3</sub> CH(OH)CH <sub>2</sub> OH (57-55-6)	-	Ex*	Ex	Ex	-
	Secondary alcohols	R₁R₂CHOH	-	Ex*	G	G	-
	Tertiary alcohols	R₁R₂R₃COH	-	Ex*	G	G	-
	Triethylene glycol (triglycol)	HOCH <sub>2</sub> CH <sub>2</sub> OCH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> OH (112-27-6)	-	Ex*	G	M	-
	Tetraethylene glycol (tetraglycol)	HOCH <sub>2</sub> CH <sub>2</sub> OCH <sub>2</sub> CH <sub>2</sub> OCH <sub>2</sub> CH <sub>2</sub> OCH <sub>2</sub> CH <sub>2</sub> OH (112-60-7)	-	Ex*	G	М	-

excellent Ex no significant deterioration / barrier properties retained for greater than 52 weeks suitable for all applications including long term immersion		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 suitable for short-term immersion and general chemical contact		no significant deterioration / barrier properties retained for 12 - 52 weeks		
Moderate	Moderate  M  no significant deterioration / barrier properties retained for 1 - 12 weeks suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment			
Poor	P	significant deterioration / loss of barrier properties after 1 week or less not suitable for any application		
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				Chemical Resistar			)
	Chemical name (Synonym)	Chemical formula (CAS number)	Concentration	20 °C 68 °F	60 °C 140 °F	90 °C 194 °F	Other
	Ammonia solution (ammonium hydroxide)	NH <sub>3 (aq)</sub> (1336-21-6)	25%	Ex*	-	-	-
Alkalis / Bases	Potassium hydroxide (caustic potash)	KOH 1310-58-3)	10%	Ex*	G	М	-
Alkali			50%	Ex*	G	G	-
	Sodium hydroxide (caustic soda)	NaOH	20%	Ex*	G	G	-
		(1310-73-2)	10%	Ex*	G	G	-
	Diethanolamine (DEA) (2,2'-iminodiethanol)	HN(CH <sub>2</sub> CH <sub>2</sub> OH) <sub>2</sub> (111-42-2)	-	Ex*	Ex	Ex	-
	Diethylene glycolamine (DGA) (2-(2-aminoethoxy) ethanol)	H <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> OCH <sub>2</sub> CH <sub>2</sub> OH (929-06-6)	-	M*	P	Р	-
Amines & Amides	N-Methyl diethanolamine (MDEA)  CH <sub>3</sub> N(CH <sub>2</sub> CH <sub>2</sub> OH) <sub>2</sub> (105-59-9)				Ex	Ex	-
Amines 8	Monoethanolamine (MEA) (2-aminoethanol)	H <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> OH (141-43-5)	-	M*	P	P	-
	Sulfinol solution (50% diisopropanolamine, 25% tetramethylene sulphone, 25% water)	N/A	-	Ex*	G	M	-
	Triethanolamine (TEA) (2,2',2"-nitrilotriethanol)	N(CH <sub>2</sub> CH <sub>2</sub> OH) <sub>3</sub> (102-71-6)	-	Ex*	Ex	G	-
	Butane	CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub> (106-97-8)	-	Ex	Ex	Ex	-
Gases	Carbon dioxide CO <sub>2</sub>		-	Ex	Ex	Ex	-
Ga	Carbon monoxide	CO (630-08-0)	-	Ex	Ex	Ex	-
	Chlorine (dry)	Cl <sub>2</sub> (7782-50-5)	-	Ex	Ex	Ex	-

Excellent	Ex	no significant deterioration / barrier properties retained for greater than 52 weeks
Executivity	LA	suitable for all applications including long term immersion
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Good	d	suitable for short-term immersion and general chemical contact
Madayata	М	no significant deterioration / barrier properties retained for 1 - 12 weeks
Moderate	suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment	
Door	P	significant deterioration / loss of barrier properties after 1 week or less
Poor	Р	not suitable for any application
*		Product must be post cured 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		
	Ethane	C <sub>2</sub> H <sub>6</sub> (74-84-0)	-	Ex	Ex	Ex	-		
	Hydrogen	H <sub>2</sub> (1333-74-0)	-	Ex	Ex	Ex	-		
	Hydrogen sulphide	H <sub>2</sub> S (7783-06-4)	-	Ex	Ex	Ex	-		
	Methane (natural gas)	CH <sub>4</sub> (74-82-8)	-	Ex	Ex	Ex	ı		
Gases	Nitrogen	N <sub>2</sub> (7727-37-9)	-	Ex	Ex	Ex	-		
Ga	Nitrous oxide (dinitrogen monoxide)	N <sub>2</sub> O (10024-97-2)	-	Ex	Ex	Ex	-		
	Ozone (dry)	O <sub>3</sub> (10028-15-6)	-	Ex	Ex	Ex	-		
	Ozone (wet)	O <sub>3</sub> (10028-15-6)	-	G*	М	M	-		
	Sulphur dioxide	SO <sub>2</sub> (7446-09-5)	-	Ex	Ex	Ex	-		
	Sulphur trioxide (sulphuric anhydride)	SO <sub>3</sub> (7446-11-9)	-	Ex	Ex	Ex	-		
	Aviation fuel (AVCAT, AVGAS, AVTAG, AVTUR)	N/A	-	Ex*	Ex	Ex	-		
Hydrocarbons	Crude Oil N/A		-	Ex*	Ex	Ex			
Hydroc	Cyclohexane	-	Ex*	Ex	-	-			
	Diesel	N/A	-	Ex	Ex	Ex	-		

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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	
	Ethyl benzene (ethyl benzol, EB)	C <sub>6</sub> H <sub>5</sub> CH <sub>2</sub> CH <sub>3</sub> (100-41-4)	-	Ex*	Ex	G	-	
	Gasoline (without Ethanol) (petrol)	N/A (8032-32-4)	-	Ex*	Ex	Ex	-	
	Heptane	CH3CH2CH2CH2CH2CH3CH3CH2CH3CH3CH2CH3CH3CH2CH3CH3CH3CH3CH3CH3CH3CH3CH3CH3CH3CH3CH3C	-	Ex*	Ex	Ex	-	
	Hexane	CH3CH2CH2CH2CH2CH3 (110-54-3)	-	Ex*	Ex	-	-	
Hydrocarbons	lso-octane (2,2,4-trimethylpentane)	(CH3)3CCH2CH(CH3)2	-	Ex*	Ex	Ex	-	
	Kerosene	N/A (8008-20-6)	-	Ex*	Ex	Ex	-	
	Mesitylene (1,3,5-Trimethylbenzene )	C6H3(CH3)3	-	Ex*	Ex	Ex	-	
	Mineral spirits / White spirits (Stoddard solvent)	N/A (8052-41-3)	-	Ex*	Ex	Ex	ı	
	Naphtha	N/A (8030-30-6)	-	Ex*	Ex	Ex	-	
	Naphthalene (naphthalin, white tar)	C10H8 (91-20-3)	-	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		
Cood	G	no significant deterioration / barrier properties retained for 12 - 52 weeks		
Good	G	suitable for short-term immersion and general chemical contact		
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significant deterioration / loss of barrier properties after 1 week or less		significant deterioration / loss of barrier properties after 1 week or less		
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				<b>Chemical Resistance</b>			
	Chemical name	Chemical formula	Concentration	20 °C	60 °C	90 °C	Other
_	(Synonym)	(CAS number)		68 °F	140 °F	194 °F	
	Paraffin	N/A (8002-74-2)	-	Ex*	Ex	Ex	-
Hydrocarbons	Pentane	CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub> (109-66-0)	-	Ex*	-	-	-
	Toluene (methylbenzene, phenylmethane, toluol)	C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub> (108-88-3)	-	Ex*	Ex	G	1
	Xylene (dimethyl benzene, xylol)	C <sub>6</sub> H <sub>4</sub> (CH <sub>3</sub> ) <sub>2</sub> (95-47-6/108-38-3/106-42-3/1330-20-7)	-	Ex*	Ex	G	-

Excellent  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 suitable for short-term immersion and general chemical contact				
Moderate  M  no significant deterioration / barrier properties retained for 1 - 12 weeks suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment		· · · · ·		
Poor	P	significant deterioration / loss of barrier properties after 1 week or less not suitable for any application		
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