



	Chemical name (Synonym)	Chemical formula (CAS number)	Concentration	20 °C 68 °F	Other
	Fluorosilicic acid (Dihydrogen hexafluorosilicate)	H ₂ SiF ₆ (16961-83-4)	-	Р	
şk	Hydrochloric acid	HCI	20%	G	-
Inorganic Acids	Tryanocimone dela	(7647-01-0)	10%	Ex	-
anic	Nitric acid	HNO ₃	20%	M	-
org		(7697-37-2)	10%	G	-
=		H ₂ SO ₄	30%	Ex	-
	Sulfuric acid	(7664-93-9)	20%	Ex	-
	A cation asid		10%	Ex	-
	Acetic acid (ethanoic acid)	CH₃COOH (64-19-7)	10%	G	-
Acids	Phenol (hydroxybenzene)	C ₆ H ₅ OH (108-95-2)	-	Р	-
Organic Acids	Stearic acid	CH ₃ (CH ₂) ₁₆ CO ₂ H (57-11-4)	-	Ex	-
	Tartaric acid	C ₄ H ₆ O ₆ (526-83-0)	-	Ex	-
_	Acetone	(CH ₃) ₂ CO (67-64-1)	-	Р	-
_	Amyl alcohol (1-Pentanol)	C ₅ H ₁₁ OH (71-41-0)	-	G	-
ones	n-Butanol (butyl alcohol)	C ₄ H ₉ OH (71-36-3)	-	G	-
nd Ket	Ethanol (ethyl alcohol)	CH ₃ CH ₂ OH (64-17-5)	-	G	-
/des ar	Ethylene glycol (ethan-1,2-diol, monoethylene glycol, MEG)	(CH ₂ OH) ₂ (107-21-1)	-	G	-
Aldehy	Glycerol (glycerine, propane-1,2,3-triol)	HOCH ₂ CH(OH)CH ₂ OH (56-81-5)	-	G	-
Alcohols, Aldehydes and Ketones	lsopropyl alcohol (IPA) (isopropanol, propan-2-ol)	CH ₃ CH(OH)CH ₃ (67-63-0)	-	G	-
Alc	Methanol (methyl alcohol)	CH ₃ OH (67-56-1)	-	M	-
-	Methyl ethyl ketone (MEK, butanone)	CH ₃ C(O)CH ₂ CH ₃ (78-93-3)	-	Р	-
	Propan-1-ol CH ₃ CH ₂ CH ₂ OH (Propyl alcohol) (71-23-8)			G	-
and	(Diethanolamine (DEA) 2,2'-iminodiethanol)	HN(CH ₂ CH ₂ OH) ₂ (111-42-2)	-	Ex	-
Amines and Amides	N-Methyl diethanolamine (MDEA)	CH ₃ N(CH ₂ CH ₂ OH) ₂ (105-59-9)	-	Ex	-
Ar	Monoethanolamine (MEA) (2-aminoethanol)	H ₂ NCH ₂ CH ₂ OH (141-43-5)	-	Ex	-

Excellent	Ex	no significant deterioration / barrier properties retained for greater than 52 weeks
Executive		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
n n		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
significant deterioration / loss of barrier properties after 1 week or less not suitable for any application		significant deterioration / loss of barrier properties after 1 week or less
		not suitable for any application
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 name (Synonym)	Chemical formula (CAS number)	Concentration	20 °C 68 °F	Other
	Ammonia	NH ₃ (7664-41-7)	25%	G	-
	Barium hydroxide	Ba(OH) ₂	-	Ex	
sils	Calcium hydroxide (lime water)	Ca(OH) ₂	-	Ex	
Alkalis	Magnesium hydroxide (milk of magnesia)	Mg(OH) ₂	-	Ex	
	Potassium hydroxide (caustic potash)	KOH (1310-58-3)	20%	Ex	-
	Sodium hydroxide (caustic soda)	NaOH (1310-73-2)	50% 20%	Ex Ex	-
	Carbon dioxide (dry)	CO ₂ (124-38-9)	-	Ex	-
Gases	Carbon monoxide	CO (630-08-0)	-	Ex	-
Ğa	Hydrogen	H ₂ (1333-74-0)	-	Ex	-
	Nitrogen	N ₂ (7727-37-9)	-	Ex	-
	Aviation fuel (AVCAT, AVGAS, AVTAG, AVTUR)	N/A	-	G	-
	Benzene (benzol)	C ₆ H ₆ (71-43-2)	-	Р	-
	Crude oil	N/A	-	Ex	-
	Gasoline (petrol)	N/A (8032-32-4)	-	G	-
	Heptane	CH ₃ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ (142-82-7)	-	G	-
Hydrocarbons	Hexane	CH ₃ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ (110-54-3)	-	G	-
lydroc	Kerosene	N/A (8008-20-6)	-	Ex	-
	Mineral Spirits / White Spirits (Turpentine, Stoddards Solvent)	N/A (8052-41-3)		G	
	Paraffin wax	N/A (8002-74-2)	-	Ex	-
	Petrolatum (Petroleum jelly)	N/A (8009-03-8)	-	Ex	-
	Toluene (methylbenzene, phenylmethane, toluol)	C ₆ H ₅ CH ₃ (108-88-3)	-	Р	-
	Xylene (dimethyl benzene, xylol)	C ₆ H ₄ (CH ₃) ₂ (95-47-6/108-38-3/106-42-3/1330-20-7)	-	Р	-

Excellent	Ex	no significant deterioration / barrier properties retained for greater than 52 weeks
Executive	_A	suitable for all applications including long term immersion
Good	G	no significant deterioration / barrier properties retained for 12 - 52 weeks
dood	O	suitable for short-term immersion and general chemical contact
Moderate M		no significant deterioration / barrier properties retained for 1 - 12 weeks
Moderate	IVI	suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment
Poor significant deterioration / loss of barrier properties after 1 week or less not suitable for any application		significant deterioration / loss of barrier properties after 1 week or less
		not suitable for any application
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 name (Synonym)	Chemical formula (CAS number)	Concentration	20 °C 68°F	Other
	Brake fluid	N/A		G	-
	Emulsion paint	N/A		Ex	-
	Fertilizer solutions	N/A		Ex	-
	Grease	N/A		Ex	-
S	Ink (water based)	N/A		Ex	-
Miscellaneous	Mercury	Hg (7439-97-6)		Ex	-
Aiscell	Rubber latex emulsions	N/A		Ex	-
_	Silicone oil	N/A		Ex	-
	Starch	N/A		Ex	-
	Water Deionised, Fresh, Mineral, Sea	H ₂ O (7732-18-5)	-	Ex	-
	Water/Oil Mixtures	N/A	-	Ex	-
	Wax emulsions	N/A	-	Ex	-
	Bunker oil	N/A	-	Ex	-
	Diesel oil	N/A	-	Ex	-
eral	Fuel oil	N/A	-	Ex	-
Oils - Mineral	Hydraulic oil	-	Ex	-	
Oils	Lube oil N/A -				-
	Petroleum oil	N/A	-	Ex	-
	Transformer oil	N/A	-	Ex	-

Excellent	Ex	no significant deterioration / barrier properties retained for greater than 52 weeks
Executive		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
no significant deterioration / barrier properties retained for 1 -		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
significant deterioration / loss of barrier properties after 1 week or less not suitable for any application		significant deterioration / loss of barrier properties after 1 week or less
		not suitable for any application
Ex		Bold text highlights real life data obtained via chemical resistance testing
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	Chemical name (Synonym)	Chemical formula (CAS number)	Concentration	20 °C 68°F	Other
	Castor oil	N/A	-	Ex	-
	Coconut oil	N/A	1	Ex	-
	Cod liver oil	N/A	-	Ex	-
	Corn oil	N/A	-	Ex	-
lal	Cottonseed oil	N/A	-	Ex	-
e/Anin	Lard oil	N/A	-	Ex	-
getable	Linseed oil	N/A	-	Ex	-
Oils – Vegetable/Animal	Olive oil	N/A	-	Ex	-
Oii	Palm oil	N/A	-	Ex	-
	Pine oil	N/A	-	Ex	-
	Soybean oil	N/A	1	Ex	-
	Tall oil	N/A	1	Ex	-
	Tung oil	N/A	1	Ex	-
	Aluminium chloride	AICI ₃ (7446-70-0)	-	Ex	-
	Aluminium sulphate	Al ₂ (SO ₄) ₃ (10043-01-3)	-	Ex	-
	Ammonium bicarbonate	(NH ₄)HCO ₃ (1066-33-7)	-	Ex	-
Salts	Ammonium carbonate	(NH ₄) ₂ CO ₃ (506-87-6)	-	Ex	-
Sa	Ammonium chloride	NH ₄ Cl (12125-02-9)	-	Ex	-
	Ammonium phosphate	(NH ₄) ₃ PO ₄ (10361-65-6)	-	Ex	-
	Ammonium nitrate	NH ₄ NO ₃ (6484-52-2)	-	Ex	-
	Ammonium sulfate	(NH ₄) ₂ SO ₄ (7783-20-2)	-	G	-

Excellent	Ex	no significant deterioration / barrier properties retained for greater than 52 weeks
Executive	_A	suitable for all applications including long term immersion
Good	G	no significant deterioration / barrier properties retained for 12 - 52 weeks
dood	O	suitable for short-term immersion and general chemical contact
Moderate M		no significant deterioration / barrier properties retained for 1 - 12 weeks
Moderate	IVI	suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment
Poor significant deterioration / loss of barrier properties after 1 week or less not suitable for any application		significant deterioration / loss of barrier properties after 1 week or less
		not suitable for any application
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 name (Synonym)	Chemical formula (CAS number)	Concentration	20 °C 68°F	Other
	Barium carbonate	BaCO ₃ (513-77-9)	-	Ex	-
	Barium chloride	BaCl ₂ (10361-37-2)	-	Ex	-
	Barium sulfate	BaSO ₄ (7727-43-7)	-	Ex	-
	Calcium carbonate	CaCO ₃ (471-34-1)	-	Ex	-
	Calcium chloride	CaCl ₂ (10043-52-4)	-	Ex	-
	Calcium hypochlorite	Ca(CIO) ₂ (7778-54-3)	10%	M	-
	Calcium sulphate	CaSO ₄ (7778-18-9)	-	Ex	-
	Copper acetate	Cu(CH ₃ COO) ₂	-	Ex	-
	Copper chloride	CuCl ₂ (7447-39-4)	-	Ex	-
	Copper nitrate	Cu(NO ₃) ₂ (3251-23-8)	-	Ex	-
Salts	Copper sulphate	CuSO ₄ (7758-98-7)	-	Ex	-
	Ferric chloride	FeCl ₃ (7705-08-0)	-	M	-
	Ferrous chloride	FeCl ₂ (7758-94-3)	-	M	-
	Ferric sulphate	Fe ₂ (SO ₄) ₃ (10028-22-5)	-	M	-
	Ferrous sulfate	FeSO ₄ (7720-78-7)	-	M	-
	Lead acetate	Pb(CH ₃ COO) ₂ (301-04-2)	-	Ex	-
	Magnesium chloride	MgCl ₂ (7786-30-3)	-	Ex	-
	Magnesium sulphate (Epsom salt)	MgSO ₄ (7487-88-9)	-	Ex	-
	Nickel chloride	NiCl ₂ (7718-54-9)	-	Ex	-
	Potassium bromide	KBr (7758-02-3)	-	Ex	-
	Potassium chlorate	KCIO ₃ (3811-04-9)	-	Ex	-

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
dood	o	suitable for short-term immersion and general chemical contact
D.O. adamata	М	no significant deterioration / barrier properties retained for 1 - 12 weeks
Moderate	IVI	suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment
significant deterioration / loss of barrier properties after 1 week or		significant deterioration / loss of barrier properties after 1 week or less
Poor	Р	not suitable for any application
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 name (Synonym)	Chemical formula (CAS number)	Concentration	20 °C 68°F	Other
	Potassium chloride	KCI (7447-40-7)	-	Ex	-
	Potassium cyanide	KCN (151-50-8)	-	Ex	-
	Potassium ferrocyanide	K ₄ [Fe(CN) ₆] (13943-58-3)	-	Ex	-
	Potassium iodide	KI (7681-11-0)	-	Ex	-
	Potassium nitrate	KNO ₃ (7757-79-1)	-	Ex	-
	Potassium permanganate	KMnO ₄ (7722-64-7)	-	Ex	-
	Potassium sulfate	K ₂ SO ₄ (7778-80-5)	-	Ex	-
	Silver nitrate	AgNO ₃ (7761-88-8)	-	Ex	-
	Sodium acetate	CH ₃ COONa (127-09-3)	-	Ex	-
	Sodium borate (borax)	Na ₂ B ₄ O ₇ (1303-96-4)	-	Ex	-
Salts	Sodium bromide	NaBr (7647-15-6)	-	Ex	-
	Sodium chlorate	NaCIO ₃ (7775-09-9)	-	Ex	-
	Sodium chloride	NaCl (7647-14-5)	-	Ex	-
	Sodium chromate	Na ₂ CrO ₄ (7775-11-3)	-	Ex	-
	Sodium cyanide	NaCN (143-33-9)	-	Ex	-
	Sodium fluoride	NaF (7681-49-4)	-	Ex	-
	Sodium hypochlorite (bleach)	NaClO (7681-52-9)	12%	M	-
	Sodium nitrate	NaNO ₃ (7631-99-4)	-	Ex	-
	Sodium phosphate (dibasic)	Na ₂ HPO ₄ (7558-79-4)	-	Ex	-
	Sodium phosphate (tribasic)	Na ₃ PO ₄ (7601-54-9)	-	Ex	-
	Sodium silicate	Na ₂ SiO ₃ (6834-92-0)	-	Ex	-

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
dood	o	suitable for short-term immersion and general chemical contact
D.O. adamata	М	no significant deterioration / barrier properties retained for 1 - 12 weeks
Moderate	IVI	suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment
significant deterioration / loss of barrier properties after 1 week		significant deterioration / loss of barrier properties after 1 week or less
Poor	Р	not suitable for any application
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

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	Chemical name (Synonym)	Chemical formula (CAS number)	Concentration	20 °C 68°F	Other
	Sodium sulphate	Na ₂ SO ₄ (7757-82-6)	-	Ex	-
	Sodium sulphide	Na ₂ S (1313-82-2)	-	Ex	-
Salts	Stannous chloride (tin chloride)	SnCl ₂ (7772-99-8)	-	Ex	-
	Zinc chloride	ZnCl ₂ (7646-85-7)	-	Ex	-
	Zinc sulfate	ZnSO ₄ (7733-02-0)	-	Ex	-

	Ех	no significant deterioration / barrier properties retained for greater than 52 weeks		
Excellent		suitable for all applications including long term immersion		
Good	G	no significant deterioration / barrier properties retained for 12 - 52 weeks		
Good	•	suitable for short-term immersion and general chemical contact		
Moderate	M	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	D	significant deterioration / loss of barrier properties after 1 week or less		
Poor	Р	not suitable for any application		
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		

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