FN 10180



	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	
cids	Hydrochloric acid	HCI (7647-01-0)	20% 10%	G Ex	-
ganic A	Nitric acid	HNO ₃ (7697-37-2)	20%	M	-
Inor	C. Kurin and	H2SQ4	30%	Ex	-
	Sulturic acid	(7664-93-9)	20% 10%	Ex Ex	-
s	Acetic acid (ethanoic acid)	CH ₃ COOH (64-19-7)	10%	G	-
iic Acid	Phenol (hydroxybenzene)	C ₆ H ₅ OH (108-95-2)	-	Р	-
Organ	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	-
ydes a	Ethylene glycol (ethan-1,2-diol, monoethylene glycol, MEG)	(CH ₂ OH) ₂ (107-21-1)	-	G	-
Aldeh	Glycerol (glycerine, propane-1,2,3-triol)	HOCH ₂ CH(OH)CH ₂ OH (56-81-5)	-	G	-
ohols,	Isopropyl 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)	-	М	-
	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		-	G	-
and	(Diethanolamine (DEA) 2,2'-iminodiethanol)	HN(CH ₂ CH ₂ OH) ₂ (111-42-2)	-	Ex	-
mines Amide	N-Methyl diethanolamine (MDEA)	CH ₃ N(CH ₂ CH ₂ OH) ₂ (105-59-9)	-	Ex	-
A	Monoethanolamine (MEA) (2-aminoethanol)	H ₂ NCH ₂ CH ₂ OH (141-43-5)	-	Ex	-

Excellent	ccellent Ex no significant deterioration / barrier properties retained for greater than 52 weeks suitable for all applications including long term immersion	
Good	Good G no significant deterioration / barrier properties retained for 12 - 52 weeks suitable for short-term immersion and general chemical contact	
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		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 (17194-00-2)	-	Ex	
alis	Calcium hydroxide (lime water)	Ca(OH) ₂ (1305-62-0)	-	Ex	
Alka	Magnesium hydroxide (milk of magnesia)	Mg(OH) ₂ (1309-42-8)	-	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	-
ses	Carbon monoxide	CO (630-08-0)	-	Ex	-
Ga	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	-
s	Heptane	CH ₃ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ (142-82-7)	-	G	-
carbon	Hexane	CH ₃ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ (110-54-3)	-	G	-
lydroo	Kerosene	N/A (8008-20-6)	-	Ex	-
т	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	-

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	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	-
	Ink (water based)	N/A		Ex	-
snoous	Mercury	Hg (7439-97-6)		Ex	-
liscella	Rubber latex emulsions	N/A		Ex	-
2	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	-
ral	Fuel oil	N/A	-	Ex	-
- Mine	Hydraulic oil N/A -				-
Oils	Lube oil	N/A	-	Ex	-
	Petroleum oil	N/A	-	Ex	-
	Transformer oil	N/A	-	Ex	-

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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	-	Ex	-
	Cod liver oil	N/A	-	Ex	-
	Corn oil	N/A	-	Ex	-
lar	Cottonseed oil	N/A	-	Ex	-
e/Anin	Lard oil	N/A	-	Ex	-
getable	Linseed oil	N/A	-	Ex	-
s – Veg	Olive oil	N/A	-	Ex	-
Oil	Palm oil	N/A	-	Ex	-
	Pine oil	N/A	-	Ex	-
	Soybean oil	N/A	-	Ex	-
	Tall oil	N/A	-	Ex	-
	Tung oil	N/A	-	Ex	-
	Aluminium chloride	AICl 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	-
ts	Ammonium carbonate	carbonate (NH ₄) ₂ CO _{3 - (506-87-6)}		Ex	-
Sal	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	-

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	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%	М	-
	Calcium sulphate	CaSO ₄ (7778-18-9)	-	Ex	-
	Copper acetate	Cu(CH ₃ COO) ₂ (142-71-2)	-	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)	-	М	-
	Ferrous chloride	FeCl ₂ (7758-94-3)	-	М	-
	Ferric sulphate	Fe ₂ (SO ₄) ₃ (10028-22-5)	-	М	-
	Ferrous sulfate	FeSO ₄ (7720-78-7)	-	М	-
	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	KClO ₃	-	Ex	_

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Coord	-	no significant deterioration / barrier properties retained for 12 - 52 weeks
Good	פ	suitable for short-term immersion and general chemical contact
Maslausta		no significant deterioration / barrier properties retained for 1 - 12 weeks
woderate	IVI	suitable for applications involving short term chemical contact e.g. spillage, splashing or secondary containment
Perer		significant deterioration / loss of barrier properties after 1 week or less
Poor	Р	not suitable for any application
Ev		Bald toxt highlights real life data obtained via chemical resistance testing
EX		bout text inginights real file data obtained via chemical resistance testing
Гv		Normal fast indicates that the resistance has been needicted based upon partial test data and/or similar responts
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	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	K4[Fe(CN)6] (13943-58-3)	-	Ex	-
	Potassium iodide	KI (7681-11-0)	-	Ex	-
	Potassium nitrate	KNO3 (7757-79-1)	-	Ex	-
	Potassium permanganate	KMnO ₄ (7722-64-7)	-	Ex	-
	Potassium sulfate	K ₂ SO ₄ (7778-80-5)	-	Ex	-
	Potassium sulfate K2SO4 (7778-80-5) - Silver nitrate AgNO3 (7761-88-8) - Sodium acetate CH3COONa (127-09-3) - Sodium borate Na2B4O7 -		Ex	-	
Salts	Sodium acetate	CH ₃ COONa (127-09-3)	-	Ex	-
	Sodium borate (borax)	Na ₂ B ₄ O ₇ (1303-96-4)	-	Ex	-
	Sodium bromide	NaBr (7647-15-6)	-	Ex	-
	Sodium chlorate	NaClO ₃ (7775-09-9)	-	Ex	-
	Sodium chloride	NaCl (7647-14-5)	-	Ex	-
	Sodium chromate	Na2CrO4 (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)	10%	М	-
	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	-	Ex	-

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	Sodium sulphate	Na ₂ SO ₄ (7757-82-6)	-	Ex	-
	Sodium sulphide Na ₂ S		-	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	-

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