

1 - FULL RESISTANCE INCLUDING IMMERSING 2 - SHORT CONTACT WITH A SUBSTANCE OR ITS FUMES IS ACCEPTABLE 3 - NO RESISTANCE	Chester Metal	Chester Metal	Chester Metal	Chester Metal	Chester Metal	Chester Metal	Chester Metal	Chester Metal	Chester Metal
	Super	Super SL	Slide	Rapid	Ceramic T	Ceramic F	Ceramic FHT	Ceramic FSL	Super AL.
	Super FE		Slide F						Super BR
									Super MS
alkalis									
ammonia 0-10%	1	1	1	1	1	1	1	1	1
ammonia 10-20%	1	1	1	1	1	1	2	1	1
ammonia 20-40%	2	2	2	2	2	2	2	2	1
barium hydroxide	1	1	1	1	1	1	1	1	1
calcium hydroxide	1	1	1	1	1	1	1	1	1
lime water	1	1	1	1	1	1	1	1	1
magnesium hydroxide	1	1	1	1	1	1	1	1	1
potassium hydroxide 0-10%	1	1	1	1	1	1	1	1	1
potassium hydroxide 10-20%	1	1	1	1	1	1	1	1	1
potassium hydroxide 20-40%	2	2	2	2	2	2	2	2	2
sodium hydroxide 0-10%	1	1	1	1	1	1	1	1	1
sodium hydroxide 10-20%	1	1	1	1	1	1	1	1	1
sodium hydroxide 20-40%	2	2	2	2	2	2	2	2	2
alcohols									
methanol	2	2	2	2	2	2	2	2	2
ethanol	2	2	2	2	2	2	2	2	2
propanol	1	1	1	1	1	1	1	1	1
butanol	1	1	1	1	1	1	1	1	1
ethylene glycol	1	1	1	1	1	1	1	1	1
glycerol	1	1	1	1	1	1	1	1	1
higher alcohols	1	1	1	1	1	1	1	1	1
2-methoxyethanol	1	1	1	1	1	1	1	1	1
propylene glycol	1	1	1	1	1	1	1	1	1
secondary alcohols	1	1	1	1	1	1	1	1	1
tertiary alcohols	1	1	1	1	1	1	1	1	1
amines and amides									
aniline	2	2	2	3	2	2	2	2	2
diethanolamine	1	1	1	1	1	1	1	1	1
diethylamine	3	2	3	3	3	3	3	3	3
dimethylformamide	3	2	3	3	3	3	3	3	3
methylamine 25% in water	1	1	1	1	1	1	1	1	1
pyridine	3	3	3	3	3	3	3	3	3
triethanolamine	1	1	1	1	1	1	1	1	1
esters and ethers									
amyl acetate	1	1	1	1	1	1	1	1	1
butyl acetate	1	1	1	1	1	1	1	1	1
dibutyl adipate	1	1	1	1	1	1	1	1	1
dibutyl phthalate	1	1	1	1	1	1	1	1	1
dibutyl sebacate	1	1	1	1	1	1	1	1	1
dioctyl adipate	1	1	1	1	1	1	1	1	1
dioctyl phthalate	1	1	1	1	1	1	1	1	1
dioctyl sebacate	1	1	1	1	1	1	1	1	1
diethyl ether	1	1	1	2	1	1	1	1	1
ethyl acetate	1	1	1	2	1	1	1	1	1
isopropyl ether	1	1	1	2	1	1	1	1	1
methyl acetate	1	1	1	2	1	1	1	1	1
gases									
carbon dioxide (dry)	1	1	1	1	1	1	1	1	1
carbon monoxide	1	1	1	1	1	1	1	1	1
chlorine (dry)	1	1	1	1	1	1	1	1	1
chlorine (wet)	1	1	1	1	1	1	1	1	1
hydrogen	1	1	1	1	1	1	1	1	1
natural gas	1	1	1	1	1	1	1	1	1
nitrogen	1	1	1	1	1	1	1	1	1
nitrous oxide	1	1	1	1	1	1	1	1	1
ozone (dry)	1	1	1	1	1	1	1	1	1
ozone (aqueous solution)	2	2	2	2	2	2	2	2	2
sulphur dioxide	1	1	1	1	1	1	1	1	1
sulphur trioxide	1	1	1	1	1	1	1	1	1

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	Super	Super SL	Slide	Rapid	Ceramic T	Ceramic F	Ceramic FHT	Ceramic FSL	Super AL.
	Super FE		Slide F						Super BR
									Super MS
halocarbons									
carbon tetrachloride	2	2	2	2	2	2	2	2	2
chlorobenzene	2	2	2	2	2	2	2	2	2
chloroform	2	2	2	2	2	2	2	2	2
dry cleaning fluids	2	2	2	2	2	2	2	2	2
methylene chloride	3	3	3	3	3	3	3	3	3
tetrachloroethylene	2	2	2	2	2	2	2	2	2
1,1,1 trichloroethane	2	2	2	2	2	2	2	2	2
ketones									
acetone	2	2	2	2	2	2	2	2	2
methyl ethyl ketone	2	2	2	2	2	2	2	2	2
inorganic acids									
carbonic acid	1	1	1	1	1	1	1	1	1
hydrobromic acid	1	1	1	2	1	1	2	1	1
hydrochloric acid 0-10%	1	1	1	1	1	1	1	1	1
hydrochloric acid 10-20%	2	2	2	2	2	2	2	2	2
hydrochloric acid 20-35%	2	2	2	2	2	2	3	2	2
hydrofluorosilicic	2	2	2	2	2	2	3	2	2
nitric acid 0-10%	2	2	1	2	2	1	1	1	2
nitric acid 10-20%	2	2	2	2	2	2	2	2	2
nitric acid 20-50%	3	3	3	3	3	3	3	3	3
nitrous acid 0-20%	1	1	1	2	1	1	1	1	1
disulfuric acid	3	3	3	3	3	3	3	3	3
phosphoric acid 0-5%	1	1	1	1	1	1	1	1	1
phosphoric acid 5-10%	2	2	2	2	2	2	1	1	2
phosphoric acid 10-20%	2	2	2	2	2	2	2	2	2
sulfuric acid 0-10%	1	1	2	1	1	1	1	1	1
sulfuric acid 10-20%	2	2	2	2	2	1	1	1	2
sulfuric acid 20-50%	2	2	3	2	3	2	2	2	3
sulfuric acid 98%	3	3	3	3	3	3	3	3	3
organic acids									
acetic acid 0-10%	2	2	2	2	2	2	2	2	2
acetic acid 10-20%	2	2	2	2	2	2	2	2	2
acetic acid 20-50%	3	3	3	3	3	3	3	3	3
chloroacetic acid	2	2	2	2	2	2	2	2	2
chlorosulfonic acid	2	2	2	2	2	2	2	2	2
citric acid	2	2	2	2	2	1	1	1	2
cresylic acid	3	3	3	3	3	3	3	3	3
formic acid 0-10%	2	2	2	2	2	2	2	2	2
formic acid 10-20%	2	2	2	2	2	2	2	2	2
lactic acid 0-10%	2	2	2	2	2	2	2	2	2
phenol 80%	3	3	3	3	3	3	3	3	3
drinks and foodstuffs									
beer	1	1	1	1	1	1	1	1	1
cider	1	1	1	1	1	1	1	1	1
lemon juice	1	1	1	2	1	1	1	1	1
liqueur	1	1	1	2	1	1	1	1	1
glucose	1	1	1	1	1	1	1	1	1
milk	2	2	2	2	2	2	2	2	2
molasses	1	1	1	1	1	1	1	1	1
vinegar	2	2	2	2	2	2	2	2	2
whisky and wine	1	1	1	1	1	1	2	1	1
mineral oils									
heater oil	1	1	1	1	1	1	1	1	1
crude oil	1	1	1	1	1	1	1	1	1
cutting oil, water emulsions	1	1	1		1	1	1	1	1
diesel oil	1	1	1	1	1	1	1	1	1
motor oil	1	1	1	1	1	1	1	1	1
transformer oil	1	1	1	1	1	1	1	1	1
vegetable and animal oils									
castor oil	1	1	1	1	1	1	1	1	1

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	Super	Super SL	Slide	Rapid	Ceramic T	Ceramic F	Ceramic FHT	Ceramic FSL	Super AL.
	Super FE		Slide F						Super BR
									Super MS
coconut oil	1	1	1	1	1	1	1	1	1
cod liver oil	1	1	1	1	1	1	1	1	1
corn oil	1	1	1	1	1	1	1	1	1
linseed oil	1	1	1	1	1	1	1	1	1
olive oil	1	1	1	1	1	1	1	1	1
other									
bleach	2	2	2	2	2	2	2	2	2
brake fluid	1	1	1	1	1	1	1	1	1
drilling mud	1	1	1	1	1	1	1	1	1
emulsion paint	1	1	1	1	1	1	1	1	1
fertilizer solutions	1	1	1	1	1	1	1	1	1
grease	1	1	1	1	1	1	1	1	1
printing ink (water soluble)	1	1	1	1	1	1	1	1	1
mercury	1	1	1	1	1	1	1	1	1
mine waters (acid)	1	1	1	1	1	1	1	1	1
water/oil mixtures	1	1	1	1	1	1	1	1	1
distilled water	1	1	1	1	1	1	1	1	1
fresh water	1	1	1	1	1	1	1	1	1
sea water	1	1	1	1	1	1	1	1	1
salts									
aluminum chloride (dry)	1	1	1	1	1	1	1	1	1
aluminum sulfate	1	1	1	1	1	1	1	1	1
alums	1	1	1	1	1	1	1	1	1
ammonium bicarbonate	1	1	1	1	1	1	1	1	1
ammonium carbonate	1	1	1	1	1	1	1	1	1
ammonium chloride	1	1	1	1	1	1	1	1	1
ammonium monophosphate	1	1	1	1	1	1	1	1	1
ammonium phosphate (dibasic)	1	1	1	1	1	1	1	1	1
ammonium phosphate (tribasic)	1	1	1	1	1	1	1	1	1
ammonium nitrate	1	1	1	1	1	1	1	1	1
ammonium sulfate	1	1	1	1	1	1	1	1	1
antimony trichloride	1	1	1	1	1	1	1	1	1
barium carbonate	1	1	1	1	1	1	1	1	1
barium chloride	1	1	1	1	1	1	1	1	1
barium sulfate	1	1	1	1	1	1	1	1	1
brines	1	1	1	1	1	1	1	1	1
calcium hydrogen sulphite	1	1	1	1	1	1	1	1	1
calcium carbonate	1	1	1	1	1	1	1	1	1
calcium chloride	1	1	1	1	1	1	1	1	1
calcium hypochlorite	1	1	1	1	1	1	1	1	1
calcium sulfate	1	1	1	1	1	1	1	1	1
chrome alum	1	1	1	1	1	1	1	1	1
copper acetate	1	1	1	1	1	1	1	1	1
copper chloride	1	1	1	1	1	1	1	1	1
copper nitrate	1	1	1	1	1	1	1	1	1
copper sulfate	1	1	1	1	1	1	1	1	1
epsom salt	1	1	1	1	1	1	1	1	1
ferric chloride	1	1	1	1	1	1	1	1	1
ferric nitrate	1	1	1	1	1	1	1	1	1
ferric sulfate	1	1	1	1	1	1	1	1	1
ferrous chloride	1	1	1	1	1	1	1	1	1
ferrous sulfate	1	1	1	1	1	1	1	1	1
lead acetate	1	1	1	1	1	1	1	1	1
magnesium hydrogen sulfate	1	1	1	1	1	1	1	1	1
magnesium chloride	1	1	1	1	1	1	1	1	1
magnesium sulfate	1	1	1	1	1	1	1	1	1
mercuric chloride	1	1	1	1	1	1	1	1	1
mercuric cyanide	1	1	1	1	1	1	1	1	1
ammonium nickel sulfate	1	1	1	1	1	1	1	1	1
nickel chloride	1	1	1	1	1	1	1	1	1
nickel nitrate	1	1	1	1	1	1	1	1	1

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	Super	Super SL	Slide	Rapid	Ceramic T	Ceramic F	Ceramic FHT	Ceramic FSL	Super AL.
	Super FE		Slide F						Super BR
									Super MS
nickel sulfate	1	1	1	1	1	1	1	1	1
potash alum	1	1	1	1	1	1	1	1	1
potassium hydrogen sulfite	1	1	1	1	1	1	1	1	1
potassium bromide	1	1	1	1	1	1	1	1	1
potassium carbonate	1	1	1	1	1	1	1	1	1
potassium chlorate	1	1	1	1	1	1	1	1	1
potassium chloride	1	1	1	1	1	1	1	1	1
potassium cyanide	1	1	1	1	1	1	1	1	1
potassium dichromate	1	1	1	1	1	1	1	1	1
potassium diphosphate	1	1	1	1	1	1	1	1	1
potassium ferricyanide	1	1	1	1	1	1	1	1	1
potassium ferrocyanide	1	1	1	1	1	1	1	1	1
potassium iodine	1	1	1	1	1	1	1	1	1
potassium nitrate	1	1	1	1	1	1	1	1	1
potassium permanganate	1	1	1	1	1	1	1	1	1
potassium sulphate	1	1	1	1	1	1	1	1	1
potassium sulphite	1	1	1	1	1	1	1	1	1
silver nitrate	1	1	1	1	1	1	1	1	1
sodium acetate	1	1	1	1	1	1	1	1	1
sodium metaaluminate	1	1	1	1	1	1	1	1	1
sodium bicarbonate	1	1	1	1	1	1	1	1	1
sodium hydrosulfate	1	1	1	1	1	1	1	1	1
sodium hydrosulfite	1	1	1	1	1	1	1	1	1
sodium borate	1	1	1	1	1	1	1	1	1
sodium bromide	1	1	1	1	1	1	1	1	1
sodium carbonate	1	1	1	1	1	1	1	1	1
sodium chlorate	1	1	1	1	1	1	1	1	1
sodium chloride	1	1	1	1	1	1	1	1	1
sodium chromate	1	1	1	1	1	1	1	1	1
sodium cyanide	1	1	1	1	1	1	1	1	1
sodium fluoride	1	1	1	1	1	1	1	1	1
sodium hypochlorite	2	2	2	2	2	2	2	2	2
sodium metaphosphate	1	1	1	1	1	1	1	1	1
sodium metasilicate	1	1	1	1	1	1	1	1	1
sodium nitrate	1	1	1	1	1	1	1	1	1
sodium phosphate (dibasic)	1	1	1	1	1	1	1	1	1
sodium phosphate (tribasic)	1	1	1	1	1	1	1	1	1
sodium silicate	1	1	1	1	1	1	1	1	1
sodium sulphate	1	1	1	1	1	1	1	1	1
sodium sulfite	1	1	1	1	1	1	1	1	1
stannous chloride	1	1	1	1	1	1	1	1	1
zinc chloride	1	1	1	1	1	1	1	1	1
zinc hyposulphite	1	1	1	1	1	1	1	1	1
zinc sulfite	1	1	1	1	1	1	1	1	1
hydrocarbons									
aviation fuel (avtag)	1	1	1	1	1	1	1	1	1
benzene	1	1	1	1	1	1	1	1	1
cyclohexane	1	1	1	1	1	1	1	1	1
diesel oil	1	1	1	1	1	1	1	1	1
heptane	1	1	1	1	1	1	1	1	1
hexane	1	1	1	1	1	1	1	1	1
iso-octane	1	1	1	1	1	1	1	1	1
white spirit	1	1	1	1	1	1	1	1	1
paraffin	1	1	1	1	1	1	1	1	1
pentane	1	1	1	1	1	1	1	1	1
kerosene	1	1	1	1	1	1	1	1	1
petrol	1	1	1	1	1	1	1	1	1
toluene	1	1	1	2	1	1	1	1	1
mineral spirit	1	1	1	1	1	1	1	1	1
styrene	1	1	1	2	1	1	1	1	1
xylene	1	1	1	2	1	1	1	1	1