



CORROSION RESISTANCE TABLE

E - Excellent

G - Good

F - Fair

U - Unsatisfactory

Blank - No Data

CHEMICAL AGENTS

	Metal					Elastomer			
	Carbon Steel	Cast Iron	AISI 304	AISI 316	Bronze	EPDM	NBR	Viton	Natural Rubber
ACETALDIHYDE	U	E	E	E	U	G	U		F
ACETIC ACID 50% 50°C	U	U	E	E	F	U	U	U	U
ACETONE	E	G	E	E	E	G	U	U	U
ACETYLENE	E	G	E	E	E	G	U	U	U
AIR	E	E	E	E	E	E	E		E
ALCOHOL - BUTYL	G	F	E	E	E		F		
ALCOHOL - ETHYL	G	U	E	E	G	E	G	G	G
ALCOHOL - METHYL	F	U	E	E	E	E	G	U	G
ALUMINUM CHLORIDE 10%	U	U	U	F	U	E	E	E	E
ALUMINUM FLUORIDE	U	U	G	G	U		G	G	
ALUMINUM HYDROXIDE	U	U	G	G	U		G	G	
ALUMINUM SULPHATE	U	U	F	G	U		E		
AMINES	G	U	E	E	U		F		
AMMONIA (ANHYDROUS)	G	F	G	E	U	E	G	U	
AMMONIUM HYDROXIDE	U	U	G	E	U	E	U	G	U
AMMONIUM NITRATE 5%	U	F	G	E	U		E		
AMMONIUM PHOSPHATE	F	U	G	G	U	E	E		G
AMMONIUM SULPHATE	F	U	G	G	U	E	E	E	
AMYL ACETATE	F	F	G	E	E		U	F	U
ANILINE 90% 20°C	F	F	G	E	F	G	U	G	U
ASPHALT	E	E	E	E	E		U	E	U
BARIUM CARBONATE 15°C	G	U	E	E	G	E	E		
BARIUM CHLORIDE	F	U	G	G	G	E	E	E	E
BARIUM HYDROXIDE	F	F	G	E	U		E		U
BARIUM SULPHATE	F	F	G	E	F	E	E	E	E
BARIUM SULPHIDE	F	F	G	E	F		E		
BEER SUGAR SOLUTION	G	U	E	E	G		E		
BENZENE (BENZOL) 20°C	G	U	E	E	G	U	U	G	U
BENZOIC ACID 5%	U	U	E	E	U		F		
BORIC ACID 5% 90°C	U	U	G	E	F	E	E		
BROMINE - DRY	U	U	U	U	U	U	U	G	U

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	Carbon Steel	Cast Iron	AISI 304	AISI 316	Bronze	EPDM	NBR	Viton	Natural Rubber
BROMINE - WET	U	U	U	U	U	U	U	G	U
BUTADIENE	F	F	G	E	U		G	G	
BUTANE - BUTYLEAE	G	G	G	E	E	U	G	G	U
CALCIUM CARBONATE	F	F	E	E	F	E	E	E	E
CALCIUM CHLORIDE	F	F	F	G	G	E	E	E	G
CALCIUM HYDROXIDE 50%	F	F	E	E	U	E	E	E	E
CALCIUM SULPHATE	F	F	E	E	E	E	E	E	E
CARBON DIOXIDE - WET	F	F	E	E	G	G	G	E	G
CARBON TETRACHLORIDE	F	U	G	G	F	U	U	E	U
CARBONIC ACID	U	U	G	G	U		E		
CHLORINE GAS - DRY 20°C	G	U	G	G	F	U	U	E	U
CHLOROBENZENE - DRY	F	F	E	E	F	U	U	G	U
CHROMIN ACID 5% 20°C	U	U	G	G	U	U	U	E	U
COPPER SULPHATE	U	F	G	E	U	E	E	E	G
DIESEL FUEL	E	G	E	E	G	U	E	E	
ETHERS	G	U	E	E	G	U	U		U
ETHYL ACETATE	G	F	G	G	F	G	U	U	U
ETHYL CHLORIDE 5%	G	F	E	E	G	E	E	E	F
ETHYL GLYCOL	G	G	G	E	G	E	E	E	G
ETHYLENE OXIDE	G	G	G	E	G	U	U	U	U
FATTY ACID	U	U	G	E		U	E		
FERRIC NITRATE	U	U	G	E		G	F		
FERRIC SULPHATE 5%	U	U	G	G	U		E	E	
FEROUS SULPHATE	U	F	E	E	U	G	E	G	G
FORMALDEHYDE 20°C	U	U	F	G	F	E	G	U	
FORMIC ACID 5% 65°C	U	U	F	E	G	U	U	U	U
FRUIT JUICES	U	U	E	E	G	G	G		
FUEL OIL	G	F	E	E	G	U	F	E	U
GASOLINE	E	U	E	E	G	U	E	E	U



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GLUCOSE		U	E	E	G		E	E	
GLYCERINE / GLYCEROL	F	F	E	E	G		E	E	
HEPTANE	U	F	G	G	F	U	E	E	U
HYDROGEN	F	F	E	E	F	E	E	E	E
HYDROGEN PEROXIED 90%	U	U	G	G	U		U	G	U
HYDROGEN SULFIDE	F	F	G	G	F	E	U	U	U
IODINE SOLUTION	U	U	U	U	U		U	F	U
KEROSENE	G	G	E	E	E	U	E	E	U
LACTIC ACID 5%	U	U	G	G	F		F		
LUBRICATING OIL	E	E	E	E	E	U	E	E	U
MAGNESIUM CHLORIDE 4%	G	F	F	G	F	E	E	E	E
MAGNESIUM HYDROXIDE	G	F	E	E	G	E	G	E	G
MAGNESIUM SULPHATE	G	F	E	E	G	E	E	E	G
MERCURY	E	E	E	E	U	E	E	E	E
METHYL CHLORIDE	G	G	G	E	E	U	U	E	U
MILK	U	U	E	E	E	E	E	E	E
MINERAL OIL	F	F	E	E	E	U	E	E	U
NAPHTHALENE	E	F	G	G	G	U	U	G	U
NATURAL GAS	G	G	E	E	E	U	E	E	U
NICKEL CHLORIDE	U	U	G	G			E		
NITRIC ACID <40% 20°C	U	U	E	E	U	U	U	E	U
NITRIC ACID >40% 20°C	U	U	G	E	U	U	U	F	U
NITROBENZENE	G	U	G	G		U	U	G	U
OLEUM	G	U	F	G		U	U	E	U
OXALIC ACID	F	U	G	E	G	G	U	G	U
PALMITIC ACID		U	G	E	G		E		
PETROLEUM		U	G	G	F	U	E	E	U
PHENOL	U	U	E	E	E	U	U	E	U
PHOSPHORIC ACID 5%	U	U	G	G	U	F	E	E	F
POTASSIUM CYANIDE	G	F	G	G	U		E	E	
POTASSIUM HYDROXIDE 5%	F	F	G	G	G		E	E	

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	Carbon Steel	Cast Iron	AISI 304	AISI 316	Bronze	EPDM	NBR	Viton	Natural Rubber
POTASSIUM NITRATE	F	F	G	E	F		E	E	
POTASSIUM SULFITE	E	U	G	G	G	E	F	E	E
PROPANE	G	F	G	G	E	G	E		
RESINS	G	U	G	G	G	U		E	
SEA WATER 20°C	F	U	G	G	G		G	G	F
SODIUM ACETATE 5%	U	U	E	E	G	E	G	E	
SODIUM CHLORIDE 30%	F	U	G	G	G	E	E	U	
SODIUM FLUORIDE	F	U	F	G	F	E	E	E	E
SODIUM HYDROXIDE 50%	U	U	G	G	U		U	E	
SODIUM HYPOCHLORITE 5%	F	U	U	G	U	G	U	U	U
SODIUM NITRATE	U	U	G	E	G	G	G	E	U
SODIUM PEROXIDE	G	U	G	E	U	E	G		G
SODIUM PHOSPHATE 5%	F	U	G	E	F	E	E	E	G
SODIUM SILICATE	F	U	G	E	G	E	E	E	E
SODIUM SULFITDE 70%	G	U	G	E	U	E		E	E
STEAM 150°C	G	G	E	E	G		U	E	
STERARIC ACID 90% 90°C	E	U	E	E	F	G	G	G	U
SULPHUR DIOXIDE		U	G	E	F		U		
SULPHUROUS ACID 80%	G	U	F	U	F	G	U	E	U
TARTARIC ACID 65°C	U	U	G	E	G	U	E	E	U
TRICHLOROETHYLENE	U		G	E	E		U		G
TURPEMINE	G	U	G	E	G	U	U	E	U
WATER - DEMINERALIZED	G	U	E	E	E	U	G	E	U
WATER - DISTILLED	U	U	E	E	U	E	G	E	G
WATER - FRESH	U	F	E	E	E	E	G		
WATER - SEWAGE	F	F	E	E	E	E	G		E
XYLENE, XYLLOL	F	F	E	E	G	E	U		
ZINC CHLORDE 5% 70°C	G	U	F	F	U	U	E	E	U
ZINC SULPHATE 25% 80°C	U	U	E	E	G	E	E	E	E