



HEMPEL'S NOVOLAC EPOXY 35AUS - CHEMICAL RESISTANCE GUIDE

HEMPEL	35AUS
ACETALDEHYDE	2,A
ACETIC ACID, 10%	2,A
ACETIC ACID, 30%	2,A
ACETIC ACID, 50%	NR
ACETIC ACID, GLACIAL	NR
ACETIC ANHYDRIDE	3,A
ACETONE, 10%	3,A
ACETONE, 100%	NR
ACETYL BROMIDE	T
ACETYL CHLORIDE	3,A
ACRYLIC ACID, 25%	NR
ACRYLONITRILE	NR
ADIPIC ACID, 23%	2,A
ALLYL ALCOHOL	T
ALLYL CHLORIDE	2,A
ALUMINUM BROMIDE	2,A
ALUMINUM CHLORIDE	1,A
ALUMINUM FLUORIDE*	2,A
ALUMINUM HYDROXIDE	1,H
ALUMINUM NITRATE	1,A
ALUMINUM POTASSIUM SULFATE	1,H
ALUMINUM SULFATE	1,H
AMMONIA, 50%	1,A/2,H
AMMONIUM BISULFITE	1,H
AMMONIUM CHLORIDE	1,H
AMMONIUM FLUORIDE*	1,H
AMMONIUM HYDROXIDE, 29%*	1,A/2,H
AMMONIUM LAURYL SULFATE, 30%	1,A
AMMONIUM NITRATE	1,H



HEMPEL	35AUS
AMMONIUM PERSULFATE	1,A/2,H
AMMONIUM SULFATE	1,H
AMMONIUM SULFIDE	1,H
AMMONIUM SULFITE	1,H
AMYL ACETATE	2,H
AMYL ALCOHOL	2,H
ANILINE	NR
ANILINE HYDROCHLORIDE	3,A
ANTIMONY CHLORIDE	2,A
AQUA REGIA	NR
ARSENIC ACID	2,A
ARSENIOS ACID	T
B	
BARIUM CHLORIDE	1,H
BARIUM HYDROXIDE	1,H
BARIUM SULFATE	1,H
BARIUM SULFIDE	1,A/2,H
BEER	1,H
BENZAL CHLORIDE	1,A/2,H
BENZALDEHYDE	NR
BENZENE	2,A
BENZENE SULFONIC ACID, 50%	1,A
BENZOIC ACID	1,A/2,H
BENZOYL CHLORIDE	NR
BENZYL ALCOHOL	2,A
BENZYL CHLORIDE	T
BLACK LIQUOR (PAPER)*	1,H
BORIC ACID	1,H
BRINE	1,H
BROMINE GAS (DRY & WET)	NR



HEMPEL	35AUS
BROMINE, LIQUID	NR
BROMINE WATER, 5%	2,A
BUTANOL	1,A
BUTYL ACETATE	1,A/2,H
BUTYL ACRYLATE	1,A/2,H
BUTYTLAMINE	T
BUTYL CARBITOL	2,A
BUTYL CELLOSOLVE SOLVENT	1,A/2,H
BUTYL ETHER	T
N-BUTYRIC ACID	2,H
C	
CADMIUM CHLORIDE	1,H
CADMIUM PLATING CYANIDE	1,H
CALCIUM BISULFITE	1,H
CALCIUM CHLORIDE	1,H
CALCIUM HYDROXIDE*	1,A/2,H
CALCIUM HYPOCHLORITE*	1,A/2,H
CALCIUM NITRATE	1,H
CALCIUM SULFATE	1,A/2,H
CALCIUM SULFITE	1,A/2,H
CAPROLACTAM	2,A
CAPRYLIC ACID	NR
CARBOLIC ACID	NR
CARBON DISULFIDE	2,A
CARBON TETRACHLORIDE	1,A/2,H
CASTOR OIL	1,A/2,H
CELLOSOLVE ACETATE	1,A
CHLORINE DIOXIDE	2,H
CHLORINE GAS, DRY	NR
CHLORINE GAS, WET	NR



HEMPEL	35AUS
CHLORINE WATER SATURATED	1,A/2,H
CHLOROACETIC ACID, 25%	NR
CHLOROBENZENE (MONO)	2,H
CHLOROFORM	2,A
CHLOROPHENOL	NR
CHLOROPYRIDINE (TETRA)	T
CHLOROSULFONIC ACID	NR
CHLOROTOLUENE	2,A
CHROMIC ACID, 10%	2,A
CHROMIC ACID, 50%	NR
CHROMIC CHLORIDE	1,H
CITRIC ACID	1,H
COPPER CHLORIDE	1,H
COPPER CYANIDE	1,H
COPPER NITRATE	1,H
COPPER SULFATE	1,H
CORN OIL	1,A/2,H
COTTONSEED OIL	1,A/2,H
CRESOL	NR
CRESYLIC ACID	NR
CRUDE OIL, SOUR	1,H
CRUDE OIL, SWEET	1,A/2,H
CUMENE	2,H
CYCLOHEXANE	1,A/2,H
CYCLOHEXANONE	T
D	
DEIONIZED WATER	2,H
DEXTROSE	1,H
DIBUYTYL PHTHALATE	1,H
DICHLOROACETIC ACID, 10%	NR



HEMPEL	35AUS
DICHLOROBENZENE	2,A
DIESEL FUEL	1,H
DIETHYLAMINE	NR
DIETHYLBENZENE	2,H
DIETHYL KETONE	2,A
DIMETHYL ANILINE	T
DIMETHYLFORMAMIDE	NR
DODECYL ALCOHOL (LAURYL)	T
E	
EPICHLOROHYDRIN	1,A
ETHYL ACETATE	2,A
ETHYL ACRYLATE	2,A
ETHYL ALCOHOL	2,A
ETHYLAMINE	NR
ETHYLBENZENE	1,A
ETHYL BROMIDE	T
ETHYL CHLORIDE	2,A
ETHYL CHLOROFORMATE	3,A
ETHYLENE DICHLORIDE (EDC)	2,A
ETHYLENE GLYCOL	1,H
ETHYLENE OXIDE	3,A
ETHYL ETHER	3,A
ETHYL SULFATE	3,A
F	
FATTY ACIDS	2,A
FERRIC CHLORIDE	1,H
FERRIC NITRATE	1,H
FERRIC SULFATE	1,H
FERROUS CHLORIDE	1,H
FLUOBORIC ACID*	2,A



HEMPEL	35AUS
FLUOSILICIC ACID, 10%*	2,A
FORMALDEHYDE	1,A/2,H
FORMIC ACID	NR
FUEL OIL	1,H
FURFURAL	3,A
FURFURYL ALCOHOL	2,A
G	
GASOHOL, UP TO 10% ALCOHOL	1,A
GASOLINE	1,H
GLUCOSE	1,H
GLYCERINE	1,A/2,H
GLYCOLIC ACID, 70%	NR
GOLD PLATING (CYANIDE)	1,A
GREEN LIQUOR	1,H
H	
HEPTANE	1,H
HEXANE	1,A
HYDRAZINE, 35%	3,A
HYDRIODIC ACID, 20%	3,A
HYDROBROMIC ACID, 48%	2,A
HYDROCHLORIC ACID, 10%	1,A/2,H
HYDROCHLORIC ACID, 20%	1,A/2,H
HYDROCHLORIC ACID, 37%	1,A/2,H
HYDROFLUORIC ACID, 10%*	1,A/2,H
HYDROFLUORIC ACID, 20%*	2,A
HYDROFLUOSILICIC ACID, 25%*	2,A
HYDROGEN PEROXIDE, 10%	2,H
HYDROGEN PEROXIDE, 50%	NR
HYDROGEN SULFIDE GAS	1,A/2,H
HYPOCHLOROUS ACID	NR



HEMPEL	35AUS
I	
IODINE	NR
ISOPROPYL ALCOHOL	1,H
J	
JET FUEL	1,H
K	
KEROSENE	1,H
L	
LACTIC ACID, 50%	2,A
LACTIC ACID, 85%	NR
LAURIC ACID	2,A
LEAD ACETATE	1,H
LEVULINIC ACID	T
LINSEED OIL	1,A/2,H
LITHIUM BROMIDE	1,A/2,H
LITHIUM CHLORIDE	1,A/2,H
LITHIUM HYDROXIDE*	1,A/2,H
LITHIUM HYPOCHLORITE*	T
M	
MAGNESIUM CARBONATE	1,H
MAGNESIUM CHLORIDE	1,H
MAGNESIUM HYDROXIDE	1,H
MAGNESIUM SULFATE	1,H
MALEIC ACID	2,A
MERCURIC CHLORIDE	1,H
MERCUROUS CHLORIDE	1,H
MERCURY	1,H
METHANOL	2,A
METHYL ACETATE	2,A
METHYL ALCOHOL	2,A



HEMPEL	35AUS
METHYL CHLORIDE	NR
METHYLENE CHLORIDE	NR
METHYL ETHYL KETONE	2,A
METHYL ISOBUTYL KETONE	1,A
MINERAL OIL	1,H
MINERAL SPIRITS	1,A/2,H
MONOCHLOROACETIC ACID	T
MONOETHANOLAMINE	2,A
N	
NAPHTHA	1,H
NAPHTHALENE	2,A
NICKEL PLATING, BRIGHT	1,A/2,H
NITRIC ACID, UP TO 10%	2,A
NITRIC ACID, 40%	NR
NITRIC ACID, 65%	NR
NITROBENZENE	2,A
O	
OCTANOIC ACID	NR
OILS, VEGETABLE	1,H
OLEIC ACID	1,A/2,H
OLEUM	NR
OXALIC ACID	2,A
P	
PERCHLORIC ACID, 10%	2,A
PERCHLORIC ACID, 30%	NR
PERCHLOROETHYLENE	2,A
PHENOL, 5%	NR
PHENOL, 85%	NR
PHOSPHORIC ACID, 50%	2,A
PHOSPHORIC ACID, 85%	NR



HEMPEL	35AUS
PHOSPHORIC ACID, 100%	NR
PHOSPHOROUS ACID	NR
PHOSPHOROUS OXYCHLORIDE	T
PHOSPHOROUS TRICHLORIDE	2,H
PHTHALIC ACID	2,A
PICRIC ACID, 10% IN ALCOHOL	1,A
POTASSIUM BROMIDE	1,A
POTASSIUM CARBONATE, 50%	1,H
POTASSIUM CHLORIDE	1,H
POTASSIUM CYANIDE	1,A
POTASSIUM DICHROMATE	T
POTASSIUM HYDROXIDE, 50%*	1,H
POTASSIUM NITRATE	1,H
POTASSIUM PERMANGANATE	1,A/2,H
POTASSIUM PERSULFATE	1,A/2,H
POTASSIUM SULFATE	1,H
PROPIONIC ACID, 50%	NR
PROPIONIC ACID, 100%	NR
PROPYLENE GLYCOL	1,H
PYRIDINE	NR
S	
SALICYLIC ACID	1,A
SILVER NITRATE	1,A/2,H
SKYDROL	1,A/2,H
SODIUM ACETATE	1,A/2,H
SODIUM BICARBONATE	1,H
SODIUM BISULFATE	1,H
SODIUM CARBONATE	1,H
SODIUM CHLORATE, 50%	1,A/2,H
SODIUM CHLORITE, 50%	2,A



HEMPEL	35AUS
SODIUM CHROMATE, 50%	1,A/2,H
SODIUM CYANIDE	1,H
SODIUM DICHROMATE	1,A/2,H
SODIUM FLUORIDE*	1,H
SODIUM HYDROSULFIDE	T
SODIUM HYDROXIDE, 10%*	1,H
SODIUM HYDROXIDE, 50%*	1,H
SODIUM HYPOCHLORITE, 5%*	1,A/2,H
SODIUM HYPOCHLORITE, 18%*	NR
SODIUM LAURYL SULFATE, 20%	T
SODIUM OXALATE	T
SODIUM SULFATE	1,H
SODIUM SULFITE	1,H
SODIUM TARTRATE	1,H
SODIUM THIOSULFATE	1,H
STANNIC CHLORIDE	1,H
STANNOUS CHLORIDE	1,H
STEARIC ACID	1,A/2,H
STYRENE	2,H
SUGAR/SUCROSE	1,H
SULFAMIC ACID, 10%	2,A
SULFITE LIQUOR (PAPER)	1,H
SULFURIC ACID, 10%	1,A
SULFURIC ACID, 25%	1,A
SULFURIC ACID, 50%	1,A/2,H
SULFURIC ACID, 75%	1,A/2,H
SULFURIC ACID, 98%	2,A
SULFUR TRIOXIDE	2,A
T	
TALL OIL, STORAGE	1,H



HEMPEL	35AUS
TANNIC ACID	1,A/2,H
TARTARIC ACID	1,A/2,H
TETRACHLOROETHANE	2,A
TETRAHYDROFURAN	NR
TOLUENE	2,H
TOLUENE SULFONIC ACID	2,H
TRICHLORACETIC ACID, 50%	NR
TRICHLOROBENZENE	T
TRICHLOROETHANE	2,H
TRICHLOROETHYLENE	2,A
TRIETHYLAMINE	T
TRISODIUM PHOSPHATE	1,H
TURPENTINE	1,A
U	
UREA, 50%	1,H
W	
WATER, DEMINERALIZED	1,A
WATER DISTILLED	1,A
WHITE LIQUOR (PAPER)	2,A
X	
XYLENE	2,A
Z	
ZINC CHLORIDE	1,H
ZINC SULFATE	1,H



Chemical Resistance Guide - Key TL Systems - Tank Linings

Each suitable rating will be designated by a 2 character entry:

First Character (Number) represents the type of exposure material is suited for

- 1 = Full Immersion
- 2 = Splash and Spill with adequate slope to drain
- 3 = Fumes or Vapor service only

Second Character (Letter) represents the temperature limit of exposure

- H = High Temperatures, up to 150°F
- A = Ambient Temperatures, up to 115°F

Other ratings include:

- NR = Not Recommended
- T = Indicates a test is recommended to determine suitability
- C = Conditional;

* Carbon, graphite or non-silica fillers and/or synthetic reinforcement recommended for service in this chemical.