## CHEMICAL RESISTANCE CHART

## WARNING

The following data is based on tests and believed to be reliable; however the tabulation should be used as a guide ONLY, since it does not take into consideration all variables, such as elevated temperatures, fluid contamination, concentration, etc. that may be encountered in actual use. All critical applications should be tested. Note: all data based on $70^{\circ} \mathrm{F}$ unless other wise noted.

TRADE NAME
BUTYL
EPDM
HYTREL
NEOPRENE
NYLON
SANTOPRENE
UHMW
VITON

DESCRIPTION
ISOBUTYLENE-ISOPRENE ETHYLENE PROPYLENE-DIENE THERMOPLASTIC POLYESTER POLYCHLOROPREN NYLON POLYMER ETHYLENE-PROPYLENE-DIENE
ULTRA-HIGH MOLECULAR WEIGHT POLYETHYLENE
FLOROELASTOMER

## TRADE NAME

CPE
HYPALON NATURAL NITRILE

TEFLON URETHANE XLPE

## DESCRIPTION

CHLORINATED POLYETHYLENE
CHLOROSULTONYL POLYETHYLENE
NATURAL RUBBER
ACRYLONITRILE
STYRENE-BUTADIENE
FLUOROCARBON RESIN
URETHANE
CROSS-LINKED POLYETHYLENE

KEY:
E = EXCELLENT
$\mathrm{G}=\mathrm{GOOD}$
$\mathrm{F}=$ FAIR
C = CONDITIONAL
X = UNSATISFACTORY
BLANK = NO DATA
CHEMICAL OR MATERIAL CONVEYED

| ACETALDEHYDE | E |  | G | C |  |  | F | X | E | X |  | G | G | X |  | E |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ACETIC ACID, GLACIAL | G | G | G | X | E | X | X | c | X | X | X | C | E | X | X | E |
| ACETIC ACID-10\% | E | E | E | F | E | F | F | X | E | F | E | G | E | X | C | E |
| ACETIC ACID-50\% | E | E | E | X | E | G | X | X | C | X | C | G | G | X | V | E |
| ACETIC ANHYDRIDE | E | E | E | G | C | F | G | X | G | X | X | G | G | X | X | E |
| ACETIC OXIDE | E | E |  | G |  | F |  |  |  | G |  | E |  |  | X | E |
| ACETONE | E | E | E | F | G | C | X | X | E | C | E | G | E | X | X | E |
| ACETONE CYANOHYDRIN | E | E |  | F |  | F |  |  |  | F |  |  | G |  | X | E |
| ACETONITRILE |  | E |  |  |  |  |  |  |  |  |  | F |  |  |  |  |
| ACETOPHENONE | E |  | E | X |  | X | X | X |  | X |  |  | X | X | X | X |
| ACETYL ACETONE | G | G | E | X |  | X | X | X |  | X |  | G | E | X | X | E |
| ACETYL CHLORIDE | X | E | X | X |  | X | X | X |  | X |  |  | G | X | E | G |
| ACETYL OXIDE | E | E |  | G |  | F |  |  |  | G |  | E | E |  | X | E |
| ACETYLENE | E |  | E | E | E | E | G | E | E | E |  |  | E | C | E | E |
| ACETYLENE DI+ TETRA CHLORIDE | X |  |  | X |  | X |  |  |  | X |  |  |  |  | G | G |
| ACROLEIN | E |  |  | G |  | G |  |  |  | F |  | G |  |  | E | E |
| ACRYLENITRILE | X | E | X | C |  | X | X | X | G | X |  |  |  | X | X | C |
| ACRYLIC ACID |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ADIPIC ACID | E |  | G | E |  |  | G | G |  | G |  |  |  | E |  |  |
| AIR, +300F |  |  | X | X |  | X | X | X |  | X |  |  | X | X | X |  |
| ALK-TRI | X |  |  | X |  | X |  | X |  |  |  |  |  |  | E | E |
| ALLYL ALCOHOL | E | E |  | E |  | E |  |  |  | E |  |  | E |  | E | E |
| ALLYL BROMIDE | X | G |  | X |  | X |  |  |  | X |  |  | G |  | G | G |
| ALLYL CHLORIDE | X | G |  | X |  | X |  |  |  | X |  | E | G |  | G | G |
| ALUM | E | E | E | E |  | E | E | E | C | E |  | E | E |  | E | E |
| ALUMINUM ACETATE (AQ) | G | E | E |  |  | X | G | F |  | X |  | E | E | X | X | E |
| ALUMINUM CHLORIDE(AQ)-40\% | E | E | E | E | C | E | E | E | X | E |  | E | E | E | E | E |
| ALUMINUM FLUORIDE | E |  | E | E |  | G | E | E | X | E |  |  | E | C | C | E |
| ALUMINUM FORMATE | G |  |  | X |  | X |  |  |  | X |  |  | E |  | X | E |
| ALUMINUM HYDROXIDE |  | E |  | G |  | E | E | G |  |  |  | E | E |  |  |  |
| ALUMINUM NITRATE (AQ) | E | E | E | E |  | E | E | E |  | E |  | E | E | C | E | E |
| ALUMINUM SULFATE (AQ) | E | E | E | E | C | E | E | E | X | E |  | E | E | X | E | E |
| ALUMS-NH3-CR-K | E |  | E | E |  | E | E | E | X | E |  |  |  |  | E |  |
| AMINES-MIXED | G |  | G | X |  | G | G | X |  | G |  |  |  | X | X |  |
| AMINOBENZENE |  | G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AMINODIMETHYLBENZENE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| AMINOETHANE |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AMINOXYLENE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AMMONIUM CARBONATE (AQ) | E |  | E |  |  | E | E | X | G | E |  |  |  | G | C |  |
| AMMONIUM CHLORIDE (AQ) | E | E | E | E | E | E | E | E | X | E |  | E | E | E | C | E |
| AMMONIUM HYDROXIDE | E | E | E | G | C | X | E | X | E | X |  | E | E | X | C | E |
| AMMONIUM NITRATE (AQ) | E |  | E | E |  |  | E | E | E | E |  | E | E | X | C | E |
| AMMONIUM PHOSPHATE, DIBASIC | E | E | E | E |  | E | E | E | E | E |  | E | E |  | C | E |
| AMMONIUM SULPHATE (AQ) | E | E | E | E | C | E | E | E | E | E |  | E | E | E | X | E |
| AMMONIUM SULPHITE | E | E |  | E |  | E |  |  |  | E |  |  |  |  | E | E |
| AMMONIUM THIOSULPHATE | E | E |  | E |  | E |  |  |  | E |  | E |  | G | E | E |
| AMYL ACETATE | E | C | X | X | C | X | X | X | E | X | X | C | E | X | X | E |
| AMYL ACETONE | G |  |  | X |  | X |  |  |  | X |  |  |  |  | X | E |
| AMYL ALCOHOL | E | E | E | E | E | E | G | X | E | E | X | E | E | X | G | E |
| AMYL BROMIDE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AMYL CHLORIDE | X | G | X | X |  | X | X |  |  | X |  | E | E | C | G | G |
| AMYL ETHER |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AMYLAMINE | E | G |  | F |  | G |  |  |  | G |  |  |  |  |  |  |
| ANETHOLE | X | X |  | X |  | X |  |  | G | X |  |  | G |  | G | G |
| ANILINE | E | G | C | X | X | X | X | X | X | X | E | E | E | X | C | E |
| ANILINE DYES | G | G | G | G |  | G | G | X | X | G |  | F | E | X | G | E |
| ANILINE OIL | G |  | G | X |  | X | X | X |  | X |  |  |  | X | C |  |
| ANIMAL FATS | G | E | C | X | C | X | C | E | E | X | X |  | E | C | E | E |
| ANTIMONY PENTACHLORIDE | X |  |  | X |  | X |  |  |  | X |  |  |  |  |  | E |
| AQUA REGIA | X | G | C | C |  | X | X | X |  | X |  | E | X | X | G | X |
| ARGON | G |  | E | X | E | X | X | C | E | X |  | E | E | E |  | E |
| ARSENIC ACID | E | E | E | E |  | E | E | E |  | E |  | E |  | C | E | E |
| ASPHALT | X |  | X | X | C | X | X | X | E | X |  | E | X | G | E | X |
| ASTM FUEL A | X | E | X | G | E | X | E | E | E | X | X | E | G | E | E | G |
| ASTM FUEL B | X | G | X | X | E | X | X | E | E | X | X | E | G | E | E | G |
| ASTM FUEL C | X | G | X | X | E | X | X | G | E | X | X | E | G | X | E | G |
| ASTM OIL NO. 1 | X | E | X | G | E | X | E | E | E | X | X | E | E | E | E | E |
| ASTM OIL NO. 2 | X | E | X | X | E | X | G | E | E | X | X | E | E | E | E | E |
| ASTM OIL NO. 3 | X | G | X | X | C | X | X | E | E | X | X | E | E | E | E | E |
| ASTM OIL NO. 4 | X |  | X | X |  | X | X | G |  | X |  |  | E | X | E | E |
| AUTOMATIC TRANSMISSION FLUID | X | E | X | C |  | X | G | E |  | X |  |  | E | G | E | E |
| BANANA OIL | C | G | C |  |  |  |  | X |  | X |  |  | E |  |  | E |
| BARIUM CHLORIDE (AQ) | E | E | E | E |  | E | E | E | X | E |  | E | E | G | E | E |
| BARIUM HYDROXIDE (AQ) | E | E | E | E | C | E | E | E | E | E |  | E | E | E | E | E |
| BARIUM SULFIDE (AQ) | E | E | E | E |  | E | E | E | F | E |  | E | E | E | E | E |
| BEER | E | E | G | E | G | E | G | C | G | E |  | E | E | X | E | E |
| BEET SUGAR LIQUORS | E | E | E | E |  | E | G | E | E | E |  | E | G | X | E | E |
| BENZAL CHLORIDE | G | X |  |  |  |  |  |  |  |  |  |  | E |  |  | E |
| BENZALDEHYDE | E | C | E | X | X | X | X | X | E | X | X | C |  | X | X | E |
| BENZENE | X | X | X | X | C | X | X | X | E | X | X | G | G | X | E | E |
| BENZENE CARBOXYLIC ACID |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BENZINE | X |  | X | X |  | X | G | E | E | X |  | E |  | G | E | E |
| BENZOIC ACID | X | E | X | X |  | X | X | X | G | X |  | G |  | X | E | E |
| BENZOL |  | G | X |  |  |  |  | X | F |  |  | E | G |  |  |  |
| BENZOTRICHLORIDE |  | X |  |  |  |  |  |  |  |  |  |  | G |  |  | G |

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| BENZYL ACETATE | G | G |  | X |  | X |  |  |  | X |  |  | E |  | X | E |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BENZYL ALCOHOL | X | E | X | F |  | X | C | X | C | X | X | E | E | X | E | E |
| BENZYL CHLORIDE | G | X | G | C |  | C | X | X |  | C |  | E | E |  | C | E |
| BENZYL ETHER |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BIS (2-CLOROETHYL) ETHER |  | G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BLACK SULFATE LIQUOR | E |  | E | G |  | G | G | G | F | G |  | E | E | X | E |  |
| BLEACH (2-15\%) | G |  | G | F |  | X | X | X |  | X |  | E | E | X | G | G |
| BORAX SOLUTION | E | E | E | E | E | G | E | C | E | G | G | E | E | G | E | E |
| BORIC ACID |  | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E |
| BRAKE FLUID (HD-557) 12 DAYS | G | E | E | G |  |  | G | C | E | E |  | E |  |  | X |  |
| BRINE | E | E | E | E |  | E | E | F | C | E |  | E | E |  | E | E |
| BROMACIL |  |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BROMOBENZENE | X | X | X | X |  | X | X | X |  | X |  |  | C | X | G | C |
| BROMOCHLOROMETHANE | G | G | G | X |  | X | X | X |  | X |  |  |  |  | X | G |
| BROMOETHANE |  | G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BROMOTOLUENE | X | X |  | X |  | X |  |  |  | X |  |  |  |  | G | F |
| BUGDIOXANE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | E |
| BUNKER OIL | X |  | X | X |  | X | X | E |  | E |  | E |  | G | E | E |
| BUTADIENE | X |  | X | C |  | X | X | X |  | X |  | E |  | X | G | E |
| BUTANE | E | G | X | G | E | X | E | E | E | X |  | E | E | E | E | E |
| BUTANOIC ACID |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BUTANOL (BUTYL ALCOHOL) | E | E | G | E | E | E | E | E | E | E | G | E | E | G | E | E |
| BUTANONE |  | G |  |  | X |  |  | X | E |  | X | G | E | X |  | E |
| BUTOXYETHANOL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BUTYL ACETATE | G | G | C | X | C | X | X | X |  | X |  | C | E | X | X | E |
| BUTYL ACRYLATE | X | G | X | X |  | X | X | X |  |  |  |  | G |  | X | G |
| BUTYL ALCOHOL | E | E | E | E |  | E | E | E |  | E |  | G | E | G | E | E |
| BUTYL ALDEHYDE | E | G |  |  |  | F |  |  |  |  |  |  | E |  | X | E |
| BUTYL BENZYL PHTHALATE | E |  | E | X |  | X | X | C |  | X |  |  | E |  | C | E |
| BUTYL CARBITOL | E | E | E | C |  | X | C | X |  | X |  | E | E |  | C | C |
| BUTYL CELLUSOLVE | E | E | G | X |  | X | X | C |  | X |  | E | E | E | X | E |
| BUTYL CHLORIDE | F | C |  | X |  | X |  |  |  | X |  |  | C |  | G | G |
| BUTYL ETHER | C | E | C | X |  | X | X | C |  | X |  |  | E | G | X | E |
| BUTYL ETHER ACETALDEHYDE | E |  |  | X |  | X |  |  |  | X |  |  | E |  | X | E |
| BUTYL ETHYL ETHER | G |  |  | X |  | X |  |  |  | X |  |  | E |  |  | E |
| BUTYL OLEATE | G |  | G | X |  | X | X | X |  | X |  |  |  |  | E |  |
| BUTYL PHTHALATE | E | C |  | X |  | X |  |  |  | X |  |  |  |  | F | E |
| BUTYL STEARATE | X | G | X | X |  | X | X | G |  | X |  | E | E |  | C | E |
| BUTYLENE | X |  | X | X |  | X | C | G |  | X |  |  |  | X | E |  |
| BUTYRALDEHYDE | E | G | G | X |  | X | X | X |  | X |  | E | E | X | X | E |
| BUTYRIC ACID | F | E | G | X | C | F | X | X |  | X |  | E | E |  | G | E |
| BUTYRIC ANHYDRIDE | F |  |  | G |  | F |  |  |  | X |  | E |  |  | X | E |
| CADMIUM ACETATE | G | E |  | X |  | X |  |  |  | X |  |  | E |  |  | E |
| CALCIUM ALUMINATE | E |  |  | E |  | E |  |  |  | E |  |  |  |  | E | E |
| CALCIUM BICHROMATE | E |  |  | F |  |  |  |  |  |  |  |  |  |  |  | G |
| CALCIUM BISULFIDE |  |  | X |  | G |  | C | E | F |  |  | E |  |  |  |  |
| CALCIUM CHLORIDE | E | E | E | E | E | E | E | E | C | E |  | E | E | E | E | E |
| CALCIUM HYDROXIDE | E | E | E | G | E | E | E | E | E | G |  | E | E | E | E | E |
| CALCIUM HYPOCHLORITE | G | E | E | F | E | X | X | X | X | X |  | E | C | X | X | C |

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| CALCIUM NITRATE | E | E | E | E |  | E | E | E | E | E |  | E | E | E | E | E |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CALCIUM SULFIDE | E | E | E | E |  | E | E | G |  | E |  | E | E | E | E | E |
| CALCIUM ACETATE | G | E | E | X |  | X | G | G |  | X |  | E | E | X | X | E |
| CAPRYLIC ACID | F | E |  | G |  | F |  |  |  | X |  |  | E |  |  | E |
| CARBAMIDE |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CARBITOL | F | E | G | X |  | X | G | G |  | X |  | E | E | X | G | E |
| CARBOLIC ACID PHENOL | E | E | G | X |  | X | X | X |  | X |  | E | E |  | E | E |
| CARBON DIOXIDE | E |  | C | E | E | E | C | X | E | E |  | E | E | E | G | E |
| CARBON DISULFIDE | X | C | X | X |  | X | X | X | X | X |  | E | E | X | E | C |
| CARBON MONOXIDE | E |  | C | E | E | E | C | E | E | G |  | E | E | G | E | E |
| CARBON TETRACHLORIDE | X | X | X | X | C | X | X | X | G | X | X | E | G | X | E | G |
| CARBONIC ACID | E | E | G | E | X | E | X | X | X | E | X | E |  | X | E | E |
| CASTOR OIL | E | E | G | E | G | F | E | E | E | G |  | E | E | G | E | E |
| CAUSTIC SODA (SEE SODIUM HYD |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CELLOSOLVE ACETATE | E |  | G | X |  | X | X | X | F | X |  | E | E | X | X | E |
| CELLUGUARD | E |  | G | E |  | E | E | E | E | E |  | E |  | X | E |  |
| CETYLIC ACID |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CHINA WOOD OIL (TUNG OIL) | C |  | X | X |  | X | G | E |  | X |  |  |  | C | E |  |
| CHLORINATED SOLVENTS | X |  | X | X |  | X | X | X | C | X |  | E |  | X | E | G |
| CHLORO-2-PROPANONE |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CHLOROACETIC ACID | F |  | X | X | X | X | X | X | X | X | X | C | E | X | X | E |
| CHLOROACETONE | G | X | E | X |  | X | X | X |  | X |  | E | E | X | X | E |
| CHLOROBENZENE | X | X | X | X | X | X | X | X | E | X | X | E | G | X | E | G |
| CHLOROBUTANE | F | C |  | X |  | X |  |  |  | X |  |  | G |  | E | G |
| CHLORODANE |  |  | E |  |  |  |  | E |  |  |  |  |  |  |  |  |
| CHLOROETHYL BENZENE | X | X |  | X |  | X |  |  |  | X |  |  | E |  | G | E |
| CHLOROFORM | X | X | X | X | X | X | X | X | X | X | X | E | E | X | E | G |
| CHLOROPENTANE | X | G |  | X |  | X |  |  |  | X |  |  | E |  | E | E |
| CHLOROSULFONIC ACID | X | X | X | X | X | X | C | X | X | X |  | C | X | X | X | G |
| CHLOROTOLUENE | X | X | X | X |  | X | X | X |  | X |  | E | G | X | G | G |
| CHLOROX | G | E | G | G |  | X | G | G |  | X |  |  | G | X | E |  |
| CHROME PLATING SOLUTIONS | X |  | G | X |  | X | X | X |  | X |  |  | E | X | E |  |
| CHROMIC ACID | F | E | C | G | X | X | X | X | X | X | X | E | E | X | C | G |
| CHROMIUM TRIOXIDE |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CINNAMENE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CIS-9-OCTADECENOIC ACID | G | E |  | X |  | X |  |  |  | X |  |  |  |  | C | E |
| CITRIC ACID | E |  | E | E | E | E | E | E | E | E | E | E | E | E | C | E |
| COAL OIL | X |  | X | X |  | X |  | X | E | X | X |  | E |  | E | E |
| COAL TAR | X |  | X | X |  | X | G | E |  | X |  |  | E |  | E | E |
| COAL TAR NAPTHA | X |  |  | X |  | X |  |  |  | X |  |  |  |  | E | E |
| COCONUT OIL | G |  | C | X |  | X | G | E |  | X |  | E | E | C | C | E |
| COKE OVEN GAS | X |  | X | X |  | X | X | X | E | X |  | C |  | X | E | E |
| COOLANOL (MONSANTO) |  |  | X | G | X | X | E | E |  | X |  |  |  | X | E |  |
| COPPER CHLORIDE | E | G | E | E | E | F | C | C | C | E |  | X | E | G | E | E |
| COPPER CYANIDE | E |  | E | E |  | E | E | E |  | E |  | E | E | E | E | E |
| COPPER HYDRATE | E |  |  | G |  | F |  |  |  | G |  |  | E |  | F | E |
| COPPER HYDROXIDE | E |  |  | G |  | F |  |  |  | G |  |  |  |  | F | E |
| COPPER SULFATE | E | E | E | E | E | F | E | E | X | E |  | E | E | G | E | E |
| CORN OIL | E | G | C | X | G | X | C | E | G | X |  | G | E | G | E | E |

## CHEMICAL RESISTANCE CHART

KEY:
E EXCELLENT
$\mathrm{G}=\mathrm{GOOD}$
F = FAIR
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CHEMICAL OR MATERIAL CONVEYED

| COTTONSEED OIL | C | G | C | X | G | X | C | C | E | X |  | E | E | G | E | C |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CREOSOTE | X |  | X | X |  | X | C | C | X | X | X | E | E | C | E | E |
| CRESOLS | X | E | X | X |  | X | X | X | X | X | X | E | E | X | E | E |
| CRESYLIC ACID | X |  | X | X |  | X | X | X |  | X |  | E | E | X | E | E |
| CROTONALDEHYDE | E | E |  | X |  | X |  |  |  | X |  |  | E |  | X | E |
| CRUDE OIL | X |  | X | X |  | X | X | G | E | X |  | E | E |  | E | E |
| CUMENE | X | C | X | X |  | X | X | X |  | X |  | E | E | X | E | E |
| CUPRIC CARBONATE | E | E |  | E |  | F |  |  |  | E |  |  | E |  | E | E |
| CUPRIC HYDROXIDE |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CUPRIC NITRATE | E | E |  | E |  | F |  |  |  | E |  |  | E | G | E | E |
| CUPRIC SULFATE | E | E |  | E |  | F |  |  |  | E |  |  | E | G | E | E |
| CUTTING OIL | X |  | X | G |  | X | G | E |  | X |  | E |  | E | E |  |
| CYCLOHEXANE | X | E | X | X | E | X | X | G | E | X | X | E | E | G | X | E |
| CYCLOHEXANOL | X | E | X | X |  | X | G | C | E | X | X | E | E |  | E | E |
| CYCLOHEXANONE | X | C | X | X |  | X | X | X | E | X | X | E | E | X | X | E |
| CYCLOPENTANE | X | G |  | X |  | X |  |  |  | X |  |  | E |  | E | E |
| CYCLOPENTANOL | X | E |  | X |  | X |  |  |  | X |  |  | E |  | G | E |
| CYCLOPENTANONE | X | G |  | X |  | X |  |  |  | X |  |  |  |  |  | E |
| CYCLOPENTYL ALCOHOL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| D-FURALDEHYDE |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DDT IN KEROSENE | X |  | X | X |  | X | F | E | E | X |  | E |  |  | E | E |
| DECAHYDRONAPTHALENE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DECAHYDROXYNAPTHALENE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DECALIN | X | X | X | X |  | X | X | X |  | X |  | E | X |  | E | E |
| DECYL ALCOHOL | E | E |  | E |  | E |  |  |  | E |  |  | E |  | G | E |
| DECYL ALDEHYDE | E |  |  | X |  | X |  |  |  | X |  |  | E |  | X | E |
| DECYL BUTYL PHTHALATE | E |  |  | X |  | X |  |  |  | X |  |  | E |  | F | E |
| DECYL CARBINOL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DETERGENT, WATER SOLUTION | E | G | E | G |  | G | G | E |  | G |  | E |  | X | E |  |
| DEVELOPING FLUID (PHOTO) | G |  | G | E |  | E | E | E |  | G |  |  |  |  | E |  |
| DEXTRON | X |  | X | X |  | X | G | E |  | X |  |  |  | G | E |  |
| DI(2ETHYLHEXYL) ADIPATE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DI(2ETHYLHEXYL) PHTHALATE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DI-ISO-BUTYLENE | X |  | X | X |  | X | X | G |  | X |  |  |  | X | E | E |
| DI-ISO-DECYL PHTHALATE |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DI-ISO-PROPANOLAMINE | E | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DI-ISO-PROPYL ETHER | F | E |  | X |  | X |  |  |  | X |  |  |  |  |  | E |
| DI-ISO-PROPYL KETONE | G | C | E | X |  | X | X | X |  | X |  | E |  | X | X | E |
| DI-P-MENTHA-1,8-DIENE |  | G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DIACETONE ALCOHOL | E | E | X | X |  | X | X | X |  | X |  | E | E | X | X | C |
| DIACETYLMETHANE |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DIALLYLPHTHALATE |  | G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DIAMMONIUM PHOSPHATE |  |  |  |  |  |  |  |  | E |  |  |  |  |  |  |  |
| DIAMYL NAPTHALENE | E |  |  | X |  | X |  |  |  | X |  |  |  |  | F | E |
| DIAMYLAMINE | E | E |  | G |  | F |  |  |  | G |  |  |  |  |  |  |
| DIAMYLENE | X | G |  | X |  | X |  |  |  | X |  |  |  |  | E | E |
| DIAMYLPHENOL | X | E |  | X |  | X |  |  |  | X |  |  |  |  | E | E |
| DIBENZYL ETHER | E | C | X | X |  | X | X | X |  | X |  | E | E | G | X | E |
| DIBROMOBENZENE | X |  |  | X |  | X |  |  |  | X |  |  | G |  | E | E |

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= EXCELLENT
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| DIBROMOMETHANE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DIBUTYL ETHER | G | E | C | X |  | X | X | X |  | X |  | E | E | C | C | E |
| DIBUTYL PHTHALATE | C | C | C | X | E | X | X | X | E | X |  | E | E | X | C | E |
| DIBUTYL SEBACATE | E | G | G | X |  | X | X | X |  | X |  | E | E | X | F | E |
| DIBUTYLAMINE | X | E | X | X |  | X | X | X |  | X |  | E | E | X | X |  |
| DICALCIUM PHOSPHATE | E |  |  | E |  | E |  |  |  | E |  |  |  |  | E | E |
| DICHLORO ETHYLENE |  |  |  |  | X |  |  |  | C |  | X |  |  | C |  |  |
| DICHLOROACETIC ACID | F | G |  | X |  | G |  |  |  | X |  |  |  |  | X | E |
| DICHLOROBENZENE | X | X | X | X | X | X | X | X | E | X | X | G | E | X | E | G |
| DICHLOROBUTANE | X | C | C | C |  | C | C | G |  | X |  |  | E | X | E | E |
| DICHLORODIFLUOROMETHANE | X |  |  | X |  | X |  |  |  | X |  |  |  |  | G |  |
| DICHLOROETHANE | X | C |  | X |  | X |  |  |  | X |  |  |  |  | E | E |
| DICHLOROETHYL ETHER | X | G |  | X |  | X |  |  |  | X |  |  |  |  |  | E |
| DICHLOROHEXANE | X | C |  | X |  | X |  |  |  | X |  |  | E |  | E | E |
| DICHLOROMETHANE | X | C |  | X |  | X |  |  |  | X |  |  | E |  | E | E |
| DICHLOROPENTANE | X | C |  | X |  | X |  |  |  | X |  |  | E |  | E | E |
| DICHLOROPROPANE | X | C |  | X |  | X |  |  |  | X |  | E | E |  | E | E |
| DICHLOROPROPENE |  |  |  |  |  |  |  |  |  |  |  | E | E |  | E | E |
| DICHLOROTOLUENE |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DIESEL OIL | X |  | X | C | C | X | C | E | E | X | X | E | E | C | E | C |
| DIETHANOL AMINE | E | E |  | F | C | G |  |  |  | G |  |  | E |  |  |  |
| DIETHLBENZINE | X | C | X | X |  | X | X | X |  | X |  |  | E | X | E | E |
| DIETHYL ETHER | X | E | X | X |  | X | C | X | G | X |  | G |  | G | X | E |
| DIETHYL KETONE | G | C |  | X |  | F |  |  |  | X |  |  |  |  | X | E |
| DIETHYL OXALATE | E | E |  | X |  | E |  |  |  | E |  |  |  |  |  | E |
| DIETHYL PHTHALATE | E | G | G | X | E | X | X |  | E | X |  | E | E |  | F | E |
| DIETHYL SEBACATE | E | G | C | X | G | X | X | X |  | X | E |  |  | X | E |  |
| DIETHYL SULFATE |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DIETHYLAMINE | E | E | G | C |  | G | C | C |  | G |  | E | E | C | X | C |
| DIETHYLENE GLYCOL | E | E | E | E |  | E | E | E |  | E |  |  | E | X | E | C |
| DIETHYLENE OXIDE |  | G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DIETHYLENETRIAMINE | E | E |  | F |  | G |  |  |  | G |  |  | E |  |  |  |
| DIETHYLTRIAMINE | E | E |  | F |  | G |  |  |  | G |  |  |  |  |  |  |
| DIHYDROXY DIETHYL ETHER |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DIHYDROXY SUCCINIC ACID |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DIHYDROXYDIETHYL ETHER | E |  |  | E |  | E |  |  |  | E |  |  |  |  | E |  |
| DIISOBUTYL KETONE | G |  | G | X |  | X | X | X |  | X |  |  | E |  | X | E |
| DIISODECTYL PHTHALATE | E |  |  | X |  | X |  |  |  | X |  |  | E |  | F | E |
| DIISOOCTYL ADIPATE | E |  |  | X |  | X |  |  |  | X |  |  | E |  | F | E |
| DIISOOCTYL PHTHALATE | E |  |  | X |  | X |  |  |  | X |  |  | E |  | F | E |
| DIMETHYL CARBINOL |  | E |  |  |  |  |  |  |  |  |  |  | E |  |  |  |
| DIMETHYL KETONE |  | E |  |  |  |  |  |  |  |  |  |  | E |  |  |  |
| DIMETHYL PHTHALATE | G | E | G | X |  | X | X | X |  | X |  | E | E |  | G | E |
| DIMETHYL SULFATE |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DIMETHYL SULFIDE |  | G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DIMETHYL-3-PENTANONE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DIMETHYL-4-HEPTANONE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DIMETHYLAMINE |  | E |  |  |  |  |  |  |  |  |  | E | E |  |  | E |
| DIMETHYLANILINE | C | C | G | X |  |  | C | C |  | C |  | E | G |  |  |  |

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| DIMETHYLBENZENE |  | X |  |  |  |  |  |  |  |  |  |  | E |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DIMETHYLBUTANE |  | G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DIOCTYL ADIPATE |  | C |  |  |  |  |  |  |  |  |  |  | E |  |  |  |
| DIOCTYL PHTHALATE | E | C | C | X | G | X | X | C | G | X |  | G | E |  | G | E |
| DIOXALANE | C | G | G | X |  | X | X | X |  | X |  | E | E | X | X | E |
| DIOXANE | G | G | G | X |  | X | X | X |  | X |  | E | E | X | X |  |
| DIPENTENE | X | G | X | X |  | X | X | G |  | X |  | E |  | X | E |  |
| DIPENTYLAMINE |  | G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DIPROPYLAMINEOLAMINE | E | G |  | G |  | G |  |  |  | G |  |  |  |  |  |  |
| DIPROPYLENE GLYCOL | E | E |  | E |  | E |  |  |  | E |  |  |  |  | E |  |
| DISODIUM PHOSPHATE | E | E |  | E |  | E |  |  |  | E |  |  | E |  |  | E |
| DIVINYL BENZENE | X | X |  | X |  | X |  |  |  | X |  |  | E |  | E | E |
| DOWELL INHIBITOR |  | G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DOWFAX 2A1 SOLVENT |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DOWFAX 2A1 TA |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DOWFAX 6A1 SOLVENT |  | G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DOWFAX 6A1 TA |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DOWTHERM, A AND E | X | C | X | X |  | X | X | X | C | X |  | E | E |  | E | E |
| DRY CLEANING FLUIDS | X |  | X | X |  |  | X | C |  | X |  |  |  |  | E |  |
| DUCGKIRIOEBAANE | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DURO AW16, 31 |  |  | X |  |  |  |  | E | E |  |  | E |  |  |  |  |
| DURO FR-HD |  |  | X |  |  |  |  | E | E |  |  | E |  |  |  |  |
| ETHANOIC ACID |  | E |  |  |  |  |  |  |  |  |  | C |  |  |  |  |
| ETHANOL (GRAIN ALCOHOL) | E |  | E | E | E | E | E | C | E | E | E | C | E | X | C | E |
| ETHANOLAMINE | E | E | E | C |  | G | G | G |  | G |  | E | E |  | X | G |
| ETHERS | X |  | C | X |  | X | X | X | E | X |  | E |  | G | C |  |
| ETHYL ACETATE | G | G | C | X | C | X | X | X | E | X | E | F | E | X | X | E |
| ETHYL ACETOACETATE | G | E | G | X |  | X | X | X |  | X |  |  | E |  | X | E |
| ETHYL ACETONE |  | G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ETHYL ACRYLATE | G | G | G | X |  | X | X | X |  | X |  |  | E |  | X | G |
| ETHYL ALCOHOL | E |  | E | E | E | E | E | C | E | E | E | C | E |  | C | E |
| ETHYL ALDEHYDE | E |  |  |  |  | F |  |  |  |  |  |  | E |  | X | E |
| ETHYL ALUMINUM DICHLORIDE | X |  |  | X |  | X |  |  |  | X |  |  |  |  | G | G |
| ETHYL BENZENE | X | X | X | X |  | X | X | X |  | X |  | E | E |  | E | E |
| ETHYL BROMIDE | X | C | X | X |  | X | X | G |  |  |  |  |  | C | E |  |
| ETHYL BUTYL ACETATE | G |  |  | X |  | X |  |  |  | X |  |  | E |  | X | E |
| ETHYL BUTYL ALCOHOL | E |  |  | E |  | E |  |  |  | E |  |  | E |  | G | E |
| ETHYL CELLULOSE | G |  | G | G |  | G | G | G | C | G |  | E | E | G | X | E |
| ETHYL CHLORIDE | F |  | X | X | X | X | X | X | E | X | X | E | G | C | E | G |
| ETHYL DICHLORIDE | X | C |  | X |  | X |  |  |  | X |  |  |  |  | G | G |
| ETHYL DIISOBUTYLTHIO-CARBAMATE |  |  |  |  |  | E |  |  |  | E |  |  |  |  |  |  |
| ETHYL ETHER | C | E | X | X |  | X | X | C |  | X |  | E | E | G | X | E |
| ETHYL FORMATE | G | E | G | X |  | X | G | X |  | X |  | E | E |  | X | E |
| ETHYL IODIDE | X | C |  | X |  | X |  |  |  | X |  |  | G |  | G | G |
| ETHYL OXALATE | X | E | X | X |  | X | X | X |  | X |  | E | E | E | E | E |
| ETHYL PHTHALATE |  | G |  |  |  |  |  |  |  |  |  |  | E |  |  |  |
| ETHYL SILICATE | E | E | E | G |  | F | E | E |  | F |  | E | E |  | E | E |
| ETHYL-N-BUTYL KETONE | G | C |  | X |  | X |  |  |  | X |  |  |  |  | X | E |
| ETHYL-1-BUTANOL | E | E |  | E |  | E |  |  |  | E |  |  |  |  | E | E |

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CHEMICAL OR MATERIAL CONVEYED


| ETHYLAMINE | G | E |  | F |  | F |  |  |  | F |  |  | E |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ETHYLENE CHLOROHYDRIN | G |  | C | G | X | G | C | X |  | G | X | E | E | X | E | E |
| ETHYLENE DIAMINE | E | G | E | F |  | G | E | E |  | G |  | E | G | X | X | E |
| ETHYLENE DIBROMIDE | X | C | C | X |  | X | X | X |  | X |  |  | G | X | G | G |
| ETHYLENE DICHLORIDE | X | C | X | X | X | X | X | X | E | X | X | E | G | X | G | G |
| ETHYLENE G MONOETHYL E ACETATE |  |  |  |  |  |  |  |  |  | E |  |  |  |  |  |  |
| ETHYLENE G MONOBUTYL ETHER |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | E |
| ETHYLENE G MONOETHYL ETHER |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | E |
| ETHYLENE G MONOHEXYL ETHER |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | E |
| ETHYLENE GLYCOL | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | C |
| ETHYLENE OXIDE | C |  | C | X | E | X | X | X | E | X |  | X |  | X | X |  |
| FATTY ACIDS | X | G | X | X |  | X | C | C | E | X | X | E | E |  | E | E |
| FERRIC BROMADE | E |  |  | E |  | E |  |  |  | E |  |  | E |  | E | E |
| FERRIC CHLORIDE | E | E | E | E | C | E | G | E | X | E |  | E | E | E | E | E |
| FERRIC NITRATE | E | E | E | E |  | E | E | E | E | E |  | E | E | E | E | E |
| FERRIC SULFATE | E | E | E | E |  | E | E | E | X | E |  | E | E |  | E | E |
| FERROUS ACETATE | G |  |  | X |  | X |  |  |  | X |  |  |  |  | X | E |
| FERROUS CHLORIDE | E |  | E | E | E | E | E | E | E | E |  | E | E | E | E | E |
| FERROUS SULFATE | E | E | E | E | E | E | E | G | E | E |  | E | E | E | E | E |
| FLUOBORIC ACID | E | E | E | E |  | E | C | C |  | G |  | E | C |  | C | C |
| FLUORINE | C |  | X |  |  | X | X | X | X | X | X | X | X | X | G | X |
| FLUOSILICIC ACID | E | E | E | E | C | E | C | C |  | C |  | E | C |  | C | C |
| FORMALDEHYDE | E | E | G | C | C | G | C | X | E | C | E | E | E | X | X | E |
| FORMALIN | E | E |  | E |  | G |  |  |  | G |  |  |  |  | E | E |
| FORMIC ACID | E | E | E | F | C | G | C | X | X | G | E | E | E | X | X | C |
| FREON S02 |  |  | E |  |  |  | E |  | E |  | X | E |  |  |  |  |
| FREON 113 |  |  | C | E | E | C | E | E |  | G | X | E |  |  | G |  |
| FREON 12 | X | E | X | X | G | X | G | G | E | X | X | X |  | G | G | C |
| FREON 22 | F | E |  | X | X | X | X | X | X | X | X | X |  | X | X | C |
| FUEL A (ASTM) | X |  | X | X |  | X | G | E |  | X |  |  |  |  | E | G |
| FUEL B (ASTM) | X |  | X | X |  | X | F | E |  | X |  |  |  |  | E | G |
| FUEL OIL | X | E | X | C | X | X | G | E | E | X |  | E | E | X | E | C |
| FURAN | X | E | C | X |  | X | X | X |  | X |  |  |  |  |  |  |
| FURFURAL | E | E | C | X |  | X | X | X |  | X | E | E | E |  | X | E |
| FURFURAN |  | E | C | X |  | X | X | X |  | X |  | E |  |  |  |  |
| FURFURYL ALCOHOL | F | E | G | X |  | X | X | X | E | X | E | G | E | X | G | E |
| GALLIC ACID | G | E | G | C |  | E | X | C |  | C |  | E | E | X | C | C |
| GALLOTANNIC ACID |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| GAS, COAL |  |  |  |  |  |  |  |  | E |  | X |  |  |  |  |  |
| GAS, HIGH OCTANE |  |  | X |  | E |  | X | G | E |  | X | E | C | C |  |  |
| GASOLINE | X | G | X | X | E | X | X | E | E | X |  | E | E | G | E | E |
| GLACIAL ACRYLIC ACID |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | E |
| GLUCONIC ACID | F | E |  | G |  | X |  |  |  | X |  |  | E |  |  | E |
| GLUCOSE | E |  | G | E |  | E | G | G | G | E |  | G | E | X | E | E |
| GLYCERINE | E | E | E | E | E | E | E | E | E | E | X | E |  | X | E | C |
| GLYCEROL | E | E | E | E |  | E | E | E | E | E |  | E |  | X | E |  |
| GLYCOGENIC ACID |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| GLYCOLS | E | E | E | E | G | E | E | E | E | E | G | E | E | X | E | E |
| GLYCONIC ACID |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

CHEMICAL RESISTANCE CHART

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CHEMICAL OR MATERIAL CONVEYED


| GLYCYL ALCOHOL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| GREASE | X |  | X | X | E | X | X | E | E | X | X | E | E | E | E | G |
| GREEN SULFATE LIQUOR | E | G | E | E |  | E | G | G | C | E |  | E | E |  | E | E |
| HALON 1211 |  |  |  |  |  |  | E | E |  |  |  |  |  |  |  |  |
| HELIUM | E |  | E | E | G | E | E | E | E | E |  | G |  | G | E |  |
| HEPTALDEHYDE |  | G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HEPTANAL | E | G |  | X |  | X |  |  |  | X |  |  | E |  |  | E |
| HEPTANE | X | E | X | X | G | X | G | E | E | X |  | E | E | G | E | G |
| HEPTANE CARBOXYLIC ACID |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HEPTANOIC ACID |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HEPTANONE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HEXADECANOIC ACID |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HEXALDEHYDE | G |  | E | C |  | X | E | X |  | X |  | E | E | G | X | E |
| HEXANE | X | G | X | X | X | X | C | C | E | X |  | E | G | G | E | G |
| HEXANOL | E | E |  | E |  | E |  |  |  | E |  |  |  |  | G | E |
| HEXENE | X | E | X | G |  | X | G | G |  | X |  | E |  |  | E | E |
| HEXYL ALCOHOL | C | E | C | C |  | E | G | E |  | E |  | E | E | X | G | E |
| HEXYL METHYL KETONE | G |  |  | X |  | X |  |  |  | X |  |  |  |  | X | E |
| HEXYLAMINE | E | G |  | F |  | G |  |  |  | G |  |  |  |  |  |  |
| HEXYLENE GLYCOL | E | E |  | E |  | E |  |  |  | E |  |  |  |  | E |  |
| HISTOWAX |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HYDRAULIC \& MOTOR OIL | X | E | X | G | E | X | C | E | E | X | X | E | E | E | E | E |
| HYDRAZINE | E | C | X | E | G | X | G | X | E |  |  | X |  | X |  |  |
| HYDROBROMIC ACID | E | E | E | E |  | E | X | X | X | X |  | E | G | X | C | C |
| HYDROCHLORIC ACID | F | E | X | X | C | E | X | X | X | X | E | E | E | C | E | E |
| HYDROCYANIC ACID | E | C | C | C | X | X | E | C | G |  | E | E | E |  |  |  |
| HYDROFLUORIC ACID | E | E | X | E | X | X | X | X | X | X | X | E | E | X | G | C |
| HYDROFLUOSILICIC ACID | E | E | E | E | C | X | C |  | E |  | E | C | G |  | C |  |
| HYDROGEN CHLORIDE ANHYDROUS |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HYDROGEN DIOXIDE (11\%) |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HYDROGEN GAS | E | E | E | G | E | G | E | E | E | G |  | E | E | E | C | E |
| HYDROGEN PEROXIDE OVER 10\% | X | E | X | X |  | X | X | X | X | X |  | E | G |  | E | C |
| HYDROGEN PEROXIDE 10\% | F | E | F | F |  | X | F | X | X | X |  | E | G |  | E | C |
| HYDROGEN SULFIDE (WET) | E | G | E | X | E | X | C | X | X | X |  | E | E | X | X | E |
| YDROXY BENZENE |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HYDROXYISOBUTYRONITRILE |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HYDROXYTOLUENE |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HYVAR XL |  |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |
| IMINODI-2-PROPANOL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| IMINODIETHANOL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| IODINE | C | E | C | E |  | C | X | C |  | C |  |  | G |  | C | C |
| IODINE PENTAFLUORIDE | X |  | X | X |  | X | X | X |  | X |  |  | C | X | X |  |
| IODOFORM |  |  | X |  |  | X | X | E |  | X |  |  |  |  |  |  |
| ISO-BUTANAL |  | G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ISO-BUTYLAMINE |  | G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ISO-BUTYLBROMIDE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ISO-BUTYLCARBINOL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ISO-OCTANE |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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KEY:
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| ISOCYANATES |  |  |  |  |  |  |  |  |  |  |  |  | E |  |  | E |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ISOOCTANE | X | G | X | X | E | X | C | E | E | X | X | E | E | E | E | E |
| ISOPROPYL ACETATE | G |  | X | X |  | X | X | X |  | X |  | E | E | X | X | E |
| ISOPROPYL ALCOHOL | E | E | E | E | E | E | C | C | E | E |  | E | E | X | E | E |
| ISOPROPYL ETHER | X |  | X | C |  | X | X | C |  | X |  | E | E | E | X | E |
| JET FUELS | X |  | X | X |  | X | G | E |  | X |  |  | E |  | E | E |
| JP-4 OIL | X |  | X | X | C | X | X | G | E | X | C | E |  | C | E |  |
| KEROSENE | X | E | X | X | C | X | C | E | E | X | X | E | E | E | E | E |
| KETONES | E |  | E | X | C | X | X | C | E | X | X | E | E | X | X |  |
| LACQUER SOLVENTS | X |  | X | X | C | X | X | X | E | X |  | E | G | X | X | G |
| LACTIC ACID-COLD | E |  | X | G | C | G | E | X | X | G |  | E | E | E | C | C |
| LACTIC ACID-HOT |  |  | X | C | C | X | X | X | X | X |  | E |  |  | E |  |
| LARD | X | E | X | X |  | X | C | E |  | X |  | E | G |  | C | C |
| LAVENDER OIL | X |  | X | X |  | X | X | G |  | X |  | E | G | X | E | G |
| LEAD ACETATE | G | E | E | X |  | E | G | G |  | X |  | E | E | X | X | E |
| LEAD NITRATE | E | E | E | X |  | E | E | E |  | E |  |  |  |  |  |  |
| LEAD SULFATE |  | E | E | E |  |  | E |  |  |  | E |  | E |  | E | E |
| LIME |  | E | G |  |  |  | C | X | G |  |  | G |  |  |  |  |
| LIME BLEACH | E |  | E | G |  | E | G | E |  | G |  |  |  |  | E |  |
| LIME SULFUR | E |  | E | E |  | X | E | X |  | X |  | E | E |  | E | E |
| LIMONENE |  | G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LINOLEIC ACID | X |  | X | X |  | X | X | G |  | X |  | E |  |  | G |  |
| LINSEED OIL | C | E | X | C | C | X | C | E | E | X |  | E | E | G | E | C |
| LIQUID PETROLEUM GAS (LPG) | X | G | X | X |  | X | G | E |  | X |  | E |  | E | E | E |
| LUBRICATING OILS | X | E | X | F | E | X | C | G | E | X |  | E |  | E | E | E |
| LYE SOLUTIONS | E | E | E | E |  | G | G | G |  | G |  |  |  | X | G |  |
| M E X | G | C | E | X | C | X | X | X | E | X | X | E | E | X | X | E |
| MAGNESIUM ACETATE | G | E |  |  |  |  |  |  |  |  |  |  |  |  |  | E |
| MAGNESIUM CHLORIDE | G | E |  |  |  |  |  |  |  |  |  |  |  |  |  | E |
| MAGNESIUM HYDRATE | E |  |  | G |  | E |  |  |  | G |  |  | E |  | G | E |
| MAGNESIUM HYDROXIDE | E | E | E | G | C | E | G | G | X | G |  | E | E | G | G | E |
| MAGNESIUM SULFATE \& SULPHITE | E | E | E | E |  | E | E | E | E | E |  | E | E |  | E | E |
| MALEIC ACID | X |  | X | X |  | X | X | X | C | X |  |  | E |  | E | G |
| MALEIC ANHYDRIDE | X |  | X | X |  | X | X | X |  | X |  |  |  |  | X |  |
| MALIC ACID | X |  | X | G |  | C | C | C |  | C |  | E | E |  | C | C |
| MANGANOUS SULFATE |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MAPP |  |  | G |  |  |  | E | E |  | G |  |  |  |  |  |  |
| MERCURY | E | E | E | E | G | E | E | E | E | E |  | E | E | G | E | E |
| MERCURY VAPORS | E |  | E | E |  | E | E | E |  | E |  |  |  |  | E |  |
| MESITYL OXIDE | G | G | G | X |  | X | X | X |  | X |  | E | E | X |  | E |
| MATHALLYL ALCOHOL | E | E |  | E |  | E |  |  |  | E |  |  |  |  | X | E |
| MATHALLYL CHLORIDE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| METHANE CARBOXYLIC ACID |  | E | X |  |  |  | G |  | E |  |  | E |  |  |  |  |
| METHANOIC ACID |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| METHANOL (METHYL ALCOHOL) | E | E | E | E |  | E | E | E | E | E |  | E | E | X | E |  |
| METHANOL (WOOD ALCOHOL) | E | E | E | E | E | E | E | E | E | E | E | E | E | E | X | E |
| METHOXY ETHANOL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| METHOXYETHOXY ETHANOL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| METHOXYPROPENYL BENZENE |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| METHYL ACETATE | G | E | E | X |  | X | X | X | E | X |  | E | E | X | X | E |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| METHYL ACETOACETATE | G | E | G | X |  | X | X | X |  | X |  |  |  | X | X | E |
| METHYL ACETONE | G | E |  | X |  | F |  |  |  | X |  |  | E |  | X | E |
| METHYL ACETYLENE PROPADIENE |  |  | G |  |  |  | E | E |  | G |  |  |  |  |  |  |
| METHYL ALCOHOL | E | E | E | E |  | E | E | E | E | E |  | E | E | X | E |  |
| METHYL ALLYL ALCOHOL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| METHYL ALLYL CHLORIDE | F | C |  | X |  | X |  |  |  | X |  |  |  |  | F | G |
| METHYL AMYL CARBINOL | E |  |  | E |  | E |  |  |  | E |  |  |  |  | X | E |
| METHYL BENZENE | X | C |  | X |  | X |  |  |  | X |  |  |  |  | E | E |
| METHYL BROMIDE | X |  | X | X |  | X | X | C | E | X | X | E | G |  | E | G |
| METHYL BUTANE |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| METHYL BUTANE ALCOHOL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| METHYL BUTYL KETONE | G |  | E | X |  | X | X | X |  | X |  |  | E | X | X |  |
| METHYL CARBITOL | F | E |  | X |  | X |  |  |  | X |  |  |  |  |  | E |
| METHYL CELLOSOLVE | E | E | G | X |  | X | C | C |  | X |  | E | E | X | X |  |
| METHYL CHLORIDE | C | X | X | X | X | X | X | X | X | X | X | E |  | X | E | G |
| METHYL CYANIDE |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| METHYL EHTYL KETONE | G | C | E | X | C | X | X | X | E | X | X | E | E | X | X | E |
| METHYL HEXANOL | E |  |  | E |  | E |  |  |  | E |  |  | E |  | F | E |
| METHYL METHACRYLATE | X | C | C | X |  | X | X | X | C | X | C | E | G |  | X | G |
| METHYL NORMAL AMYL KETONE | G |  |  | X |  | X |  |  |  | X |  |  |  |  | X | E |
| METHYL PROPYL ETHER | G |  |  | X |  | X |  |  |  | X |  |  |  |  |  | E |
| METHYL SALICYLATE | G |  | G | X |  | C | X | X |  | C |  | E |  |  | C |  |
| METHYL STYRENE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| METHYL SULFIDE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| METHYL TERTIARY BUTYL ETHER | G | X |  |  |  |  | X | X |  | X |  | G | G |  | X |  |
| METHYL 1-2,4-PENTANEDIOL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| METHYL-ISO-AMYL-KETONE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| METHYL-L-PROPANOL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| METHYL-2-BUTANOL | E | E |  | E |  | E |  |  |  | E |  |  |  |  | F | E |
| METHYL-2-BUTANONE | G | G |  | X |  | X |  |  |  | X |  |  |  |  | X | E |
| METHYL-2-HEXANONE | G | C |  | X |  | X |  |  |  | X |  |  |  |  | X | E |
| METHYL-2-PENTANOL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| METHYL-2-PENTANONE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| METHYL-2-PROPEN-L-OL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| METHYL-3-PENTEN-1-ONE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| METHYL-4-ISOPROPYL BENZENE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| METHYLALLYL ACETATE | G |  |  | X |  | X |  |  |  | X |  |  |  |  | X | E |
| METHYLYAMYL ALCOHOL | E | E |  | E |  | E |  |  |  | E |  |  |  |  | X | E |
| METHYLCYCLOHEXANE | X | G |  | X |  | X |  |  |  | X |  |  |  |  | G | G |
| METHYLENE BROMIDE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| METHYLENE CHLORIDE |  |  |  |  |  |  |  |  |  |  |  |  | G |  |  |  |
| METHYLETHYL KETONE | G | C | E | X | C | X | X | X | E | X | X | E | E | X | X | E |
| METHYLHEXYL KETONEG | C |  | X |  | X |  |  |  | X |  |  |  |  |  | X | E |
| METHYLISOBUTYL CARBINOL | E | E | E | C |  | G | G | G |  | G |  |  |  |  | C | C |
| METHYLISOBUTYL KETONE | C | C | C | X | C | X | X | X | E | X | X | E | E | X | X | E |
| METHYLISOPROPYL KETONE | G | G | X | X |  | X | X | X | E | X |  | E |  | X | X | E |
| METHYLLACTONITRILE |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| METHYLPHENOL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

## CHEMICAL RESISTANCE CHART

KEY
E = EXCELLENT
$\mathrm{G}=\mathrm{GOOD}$
F = FAIR
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Chemical or material conveyed

| METHYLPROPYL CARBINOL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| METHYLPROPYL KETONE | G | G |  | X |  | X |  |  |  | X |  |  |  |  | X | E |
| MINERAL OIL | X | E | X | F | E | X | C | E | E | X | X | E | E | E | E | E |
| MINERAL SPIRITS | X |  | X | X |  | X | F | E |  | X |  |  | E |  | E | E |
| MOBILE HFA |  |  | X |  |  |  |  | E | E |  |  | E |  |  |  |  |
| MOLTEN SULFER | G |  |  | F |  | X |  |  |  | x |  |  | X |  | G | X |
| MONO-CHLOROACETIC ACID | F | E |  | X |  | G |  |  |  | X |  |  |  |  | C | E |
| MONOBUTYL ETHER | F |  |  | X |  | X |  |  |  | X |  |  |  |  | X | E |
| MONOCHLOROBENZENE | X |  | X | X | C | X | X | X | G | X | X | E | G | X | E | G |
| MONOCHLORODIFLUOROMETHANE | F |  |  | X |  | X |  |  |  | X |  |  |  |  | X | C |
| MONOETHANOL AMINE | E |  | E | X |  | E | X | X |  | X |  |  | E | X | X | E |
| MONOETHYL AMINE | G |  |  | F |  | F |  |  |  | F |  |  |  |  | C | C |
| MONOETHYLAMINE |  | E |  |  |  |  |  |  |  |  |  | E |  |  |  | E |
| MORPHOLINE |  |  | X |  |  |  |  | X | X |  |  | E |  |  |  |  |
| MOTOR OIL, 40W |  | E |  |  |  |  |  |  |  |  |  |  | E |  |  |  |
| MTBE | G | X |  |  |  |  | X | X |  | X |  | G | G |  | X |  |
| MURIATIC ACID | F | E | F | X |  | E | X | X |  | X |  |  | E |  | E | E |
| N-BUTANAL |  | G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| N-BUTYLAMINE | X | G | X | X |  | X | X | C |  | X |  |  |  | X | X |  |
| N-BUTYLBENZENE | X | C |  | X |  | X |  |  |  | X |  |  |  |  | E | E |
| N-BUTYLBROMIDE | X | C |  | X |  | X |  |  |  | X |  |  |  |  | G | G |
| N-BUTYLBUTYRATE | F | C |  | X |  | X |  |  |  | X |  |  |  |  | X | G |
| N-BUTYLCARBINOL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| N-NONYL ALCOHOL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| N-OCTANE | X | E | X | X |  | X | G | G |  | X |  |  |  | X | E | G |
| N-SERV (75\% XYLENE) |  |  |  |  |  |  |  |  | E |  |  | E |  |  | E | C |
| NA-K |  |  | X |  |  |  |  | X |  |  |  | X |  |  |  |  |
| NAPHTHA | X | E | X |  | E | X | X | C | E | X | X | E | E | E | E | E |
| NAPHTHALENE | F | E | X | X | C | X | X | X | E | X | X | E | E | C | C | E |
| NAPTHENIC ACIDS |  | E | X | X |  | X | X | G |  | X |  | E |  |  | E |  |
| NATURAL GAS | X | X | X | X | X | X | X | X | X | X | X | X |  | X | X | X |
| NEOHEXANE | X | G |  | X |  | X |  |  |  | X |  |  |  |  | E | E |
| NEON GAS | E |  | E | E |  | E | E | E | E | E | E | E |  | E | E |  |
| NEU-TRI | X |  |  | X |  | X |  |  |  | X |  |  |  |  | E | E |
| NICKEL ACETATE | E |  | E | X |  | E | G | G |  | X |  | E | E | X | X | E |
| NICKEL CHLORIDE | E | E | E | E |  | E | G | E | X | E |  | E | E | C | E | E |
| NICKEL NITRATE | E | E | E | E |  | E | E |  |  | E |  |  | E |  | E | E |
| NICKEL SULFATE | E | E | E | E |  | E | E | E | E | E |  | E | E |  | E | E |
| NIETYLENE |  |  |  |  |  | E |  |  |  |  |  |  |  |  |  |  |
| NITRIC ACID, CONC (16N) | C | X | X | G | C | X | X | X | X | X | X | E | E | X | C | G |
| NITRIC ACID, RED FUMING | G | X | X | X | C | X | X | X | X | X | X | E | X | X | X | X |
| NITRIC ACID, 10\% | G |  | C | X | C | X | X | X | X | X | E | E | E | X | X | C |
| NITRIC ACID, 13 N |  | E |  |  |  |  |  |  |  |  |  | E |  |  |  |  |
| NITRIC ACID, $13 \mathrm{~N}+5 \%$ |  | E |  |  |  |  |  |  |  |  |  | E |  |  |  |  |
| NITRIC ACID, $20 \%$ | G |  | G | X | F | X | X | X |  | X |  | E | E |  | C | E |
| NITRIC ACID, 30\% | F |  | C | X | X | X | X | X | X | X |  | G | E | C | C | E |
| NITRIC ACID, $30 \%$ - 70\% | F |  | F | F |  | X | X | X |  | X |  |  | E |  | C | G |
| NITRILOTRIETHANOL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NITROBENZENE | F | C | X | X | C | X | X | X | E | X | C | E | E | X | G | E |

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| NITROETHANE | G | E | G | G |  | G | C | X |  | G |  | E | E | X | X | E |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| NITROGEN | E | E | E | E |  | E | E | E | G | E |  | E | E | E | E | E |
| NITROMETHANE | G |  | G | C |  | G | C | X |  | C |  | E | E | X | X | E |
| NITROUS OXIDE GAS |  |  |  |  |  |  |  |  | X |  |  | E | E |  |  |  |
| NONANOIC ACID |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NONANOL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NUTO H |  |  | X |  |  |  |  | E | E |  |  | E |  |  |  |  |
| NYVAC LIGHT |  |  | E |  |  |  |  | X | E |  |  | E |  |  |  |  |
| OCTANOIC ACID |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| OCTANOL | E | E |  | G |  | G |  |  |  | G |  |  | E |  | G | E |
| OCTYL ACETATE | G | C |  | X |  | X |  |  |  | X |  |  | E |  | X | E |
| OCTYL ALCOHOL | E | E | C | E |  | E | G | G |  | E |  | E | E | X | E | E |
| OCTYL ALDEHYDE | E | E |  | X |  | X |  |  |  | X |  |  |  |  | X | E |
| OCTYL AMINE | E | G |  | F |  | G |  |  |  | G |  |  |  |  | C | C |
| OCTYL CARBINOL | E | E |  | E |  | E |  |  |  | E |  |  |  |  | G | E |
| OCTYLENE GLYCOL | E |  |  | E |  | E |  |  |  | E |  |  |  |  | E | C |
| OIL-PETROLEUM | X |  | X | F |  | X | G | E |  | X |  |  | E |  | E | E |
| OLEIC ACID | G | E | X | X | E | X | X | C | E | X |  | E | E | G | G | E |
| OLEUM (FUMING SULFURIC ACID) | X |  | X | X | X | X | X | C | E | X |  | E | X | C | X | X |
| OLIVE OIL | E | G | E | F |  | X | E | E |  | X |  | E | G | E | E | C |
| ORTHO-DICHLOROBENZENE | X |  | X | X |  | X | X | X |  | X |  | G |  | X | E | G |
| ORTHO-DICHLOROBENZOL | X |  |  | X |  | X |  |  |  | X |  |  |  |  | G | G |
| ORTHOXYLENE | X |  |  | X |  | X |  |  |  | X |  |  |  |  | E | E |
| OXALIC ACID | E | E | E | X |  | X | X | X | X | X | E | E | E | E | C | C |
| OXYDIETHANOL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| OZONE | G | E | E | G |  | X | C | X | X | X |  | E | C | G | C | C |
| P-CYMENE | X | X | X | X |  | X | X | X |  | X |  | E | E | X | E | E |
| PAINT THINNER | X |  | X | X |  | X | X | X |  | X | X | E | E | X | G |  |
| PALMITIC ACID | E | E | C | C | E | X | C | E | X | X | E | E | E | E | C | C |
| PAPERMAKERS ALUM | E |  | E | E |  | E | E | E |  | E |  |  | G |  | E | E |
| PARA-DICHLOROBENZENE | X |  | X | X |  | X | X | X |  | X |  |  |  | X | E | G |
| PARAFFIN WAX | X | E | X | X |  | X | G | E |  | X |  |  | E |  | E | X |
| PARALDEHYDE | E |  |  |  |  | F |  |  |  |  |  |  |  |  | X | E |
| PARAXYLENE | X |  |  | X |  | X |  |  |  | X |  |  |  |  | E | E |
| PCB |  |  |  |  |  |  |  |  |  |  |  | E |  |  | E |  |
| PELARGONIC ALCOHOL | E | E |  | X |  | X |  |  |  | X |  |  |  |  |  | E |
| PENTACHLOROETHANE | X |  |  | X |  | X |  |  |  | X |  |  |  |  | E | E |
| PENTADIONE |  | G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PENTAMETHYLENE |  | G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PENTANE | X | E | X | F |  | X | G | E |  | X |  |  | G | X | E | G |
| PENTANOL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PENTANONE | G | C |  | X |  | X |  |  |  | X |  |  |  |  | X | E |
| PENTASOL | E |  |  | E |  | E | E |  |  | E |  |  |  |  | E | E |
| PENTYL ACETATE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PENTYL ALCOHOL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PENTYL BROMIDE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PENTYL CHLORIDE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PENTYL ETHER |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PENTYLAMINE |  | G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| PERCHLORIC ACID-2N | G |  | C | G | X | X | C | X | C | X | X | E |  | X | E | E |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PERCHLOROETHYLENE | X | C | X | X | X | X | X | X | X | X | X | E | G | X | E | G |
| PERCHLOROMETHANE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PETROLEUM CRUDE | X | E | X | X |  | X | G | E |  | X |  |  | E | E | E | E |
| PETROLEUM ETHER | X | E | X | X |  | X |  | G | E | X |  | E |  |  | E | E |
| PETROLEUM OILS | X |  | X | X |  | X | G | X | G | X |  | E | E |  | E | E |
| PHENBO |  |  |  |  |  |  |  |  |  |  |  |  | E | X |  |  |
| PHENOL | E | E | X | X | X | X | X | X | X | X | X | E | E | X | E | E |
| PHENOLSULFONIC ACID | F | E |  | X |  | X |  |  |  | X |  |  | G |  | X | G |
| PHENYLAMINE |  | G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PHENYLBROMIDE |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PHENYLBUTANE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PHENYLCHLORIDE | X | X |  | X |  | X |  |  |  | X |  |  |  |  | E | E |
| PHENYLETHYLENE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PHENYLMETHANE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PHENYLMETHANOL |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PHENYLMETHYL ACETATE |  | G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PHOSPAHTE ESTERS |  |  | E |  | X |  |  | X | E |  | E | E |  | X |  |  |
| PHOSPHORIC ACID 10\% | E | E | X | E |  | E | X | X | X | E |  | E | E |  | E | E |
| PHOSPHORIC ACID 10\%-85\% | G | E | X | E |  | G | X | X | C | X | E | E | E | X | E | E |
| PHOSPHORUS TRICHLORIDE | E | X | E | X |  | X | X | X |  | X |  | E |  |  | E |  |
| PICRIC ACID, H20 SOLUTION |  | G | X | G | C | G | C | X | X | G | X | E |  | X | E |  |
| PINE OIL | X | G | X | X |  | X | X | X |  | X |  | E | E |  | E | E |
| PINENE | X | G | X | X |  | X | F | G |  | X |  | E | E | G | E | E |
| POLY CHLORINATED BIPHENOL |  |  |  |  |  |  |  |  |  |  |  | E |  |  | E |  |
| POLYETHYLENE GLYCOL E-400 | E | E |  | E |  | E |  |  |  | E |  |  |  |  | E |  |
| POLYOL ESTER | X |  | X |  |  | X | X | G |  |  |  |  |  |  | G |  |
| POLYPROPYLENE GLYCOL | E |  |  | E |  | E |  |  |  | E |  |  |  |  | E |  |
| POTASSIUM ACETATE | G | E | E | X |  | X | G | G |  | X |  | E | E | X | X | E |
| POTASSIUM BISULFATE | E | E |  | E |  | E |  |  |  | E |  |  | E |  | E | E |
| POTASSIUM BISULFITE | E | E |  | E |  | E |  |  |  | E |  |  | E |  | E |  |
| POTASSIUM CARBONATE | E | E | E | E |  | E | E |  | G | E |  |  | E |  | E | E |
| POTASSIUM CHLORIDE | E | E | E | E |  | E | E | E | E | E |  | E | E | E | E | E |
| POTASSIUM CHROMATE | E | E |  | F |  |  |  |  |  |  |  |  | G |  |  | G |
| POTASSIUM CYANIDE | E | E | E | E |  | E | E | E | E | E |  | E | E | E | E | E |
| POTASSIUM DICHROMATE | E | E | E | F | C | G | E | E |  | G |  | E | G | G | E | G |
| POTASSIUM HYDRATE | E |  |  | G |  | E |  |  |  | G |  |  |  |  | F | E |
| POTASSIUM HYDROXIDE | E | E | E | G | G | E | C | X | C | G |  | E | G | C | X | E |
| POTASSIUM NITRATE | E | E | E | E |  | E | E | E | E | E |  | E | E | E | E | E |
| POTASSIUM PERMANGANATE, 5\% |  |  |  |  | X |  |  |  |  |  |  |  | E |  |  |  |
| POTASSIUM SILICATE | E | E |  | E |  | E |  |  |  | E |  |  |  |  | E | E |
| POTASSIUM SULFATE | E | E | E | E |  | E | E | E | E | E |  | E | E | G | E | E |
| POTASSIUM SULFIDE |  | E |  |  |  |  |  |  |  |  |  |  | E |  |  |  |
| POTASSIUM SULFITE | E | E | E | E |  | E | E |  |  | E |  |  |  |  | E | E |
| PRESTONE ANTIFREEZE |  |  | E |  |  |  | E | E |  |  |  |  |  |  | E |  |
| PRODUCER GAS | X |  | X | G |  | X | G | E |  | E |  | E |  |  | E |  |
| PROPANE | X | E | X | G |  | X | C | E | E | X |  | E |  | E | E | E |
| PROPANEDIOL | E | E |  | E |  | E |  |  |  | E |  |  |  |  | E |  |
| PROPANETRIOL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| PROPANOL | E | E |  | E |  | E |  |  |  | E |  |  |  |  | F | E |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PROPANOLAMINE |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PROPANONE |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PROPEN-L-OL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PROPENEDIAMINE |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PROPENENITRILE |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PROPENYL ALCOHOL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PROPENYLANISOLE |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PROPIONIC ACID |  |  | E |  |  |  |  | X |  |  |  |  |  |  |  | E |
| PROPIONITRILE |  |  | X |  |  |  | G | E |  |  |  |  |  |  | E |  |
| PROPYL ACETATE | G | G | G | X |  | X | X | X |  | X |  |  | E | X | X | E |
| PROPYL ALCOHOL | E | E | E | E |  | E | E | E |  | E |  |  | E | C | E | E |
| PROPYL ALDEHYDE | E |  |  |  |  | F |  |  |  |  |  |  | E |  | X | E |
| PROPYL BENZENE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PROPYL CHLORIDE | F | C |  | X |  | X |  |  |  | X |  |  | E |  | G | G |
| PROPYL ETHER |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PROPYL NITRATE | G | G | G | X |  | X | X | X |  | X |  |  |  |  | X |  |
| PROPYLENE | X | E | X | X |  | X | X | X |  | X |  |  |  |  | X | E |
| PROPYLENE DIAMINE | E |  |  | F |  | G |  |  |  | G |  |  |  |  |  |  |
| PROPYLENE GLYCOL | E |  |  | E |  | E |  |  |  | E |  | E | E | E | E |  |
| PYDRAUL, 'E' SERIES |  | G | E | X | E | X | X | X | E | X |  | E | E |  | X | E |
| PYDRAULIC 'C' |  |  | X |  | E |  | X | X |  |  |  | E |  |  | E |  |
| QUINTOLUBRIC 822 SERIES | X |  | X |  |  | X | X | G |  |  |  |  |  |  | G |  |
| RED OIL | X | E | X | G |  | X | G | E |  | X |  | E |  | G | E |  |
| REFRIGERANT 11 |  |  | X |  |  |  | X | G |  |  |  |  |  |  | G |  |
| REFRIGERANT 12 |  |  | X |  |  |  | G | E |  |  |  |  |  |  | G |  |
| REFRIGERANT 22 |  |  | X |  |  |  | G | X |  |  |  |  |  |  | G |  |
| RESORCINOL |  |  |  |  | X |  |  | X | X |  | X | E |  | X |  |  |
| SAE NO. 10 OIL |  |  |  | X | E |  | C | G | E |  | X | E |  | E | X |  |
| SAL AMMONIAC | E | E | E | E |  | E | E | E |  | E |  |  |  | E | E |  |
| SEA WATER | E |  | E | E | E | E | G | E | E | E | E | E | E | E | E | E |
| SEWAGE | F | E | F | E |  | F | E | E | E | F |  | E | E | X | C | E |
| SILICATE ESTERS | X |  | X | E |  | X | E | G | E | X |  | E |  |  | E |  |
| SILICATE OF SODA | E | E |  | E |  | E |  |  |  | E |  |  |  |  | E | E |
| SILICONE GREASE | E | E | E | E | E | E | E | E |  | E |  | E |  |  | E |  |
| SILICONE OIL | E | E | E | E |  | E | E | E |  | E |  |  | E |  | E |  |
| SILVER NITRATE | E | E | E | E |  | E | E | G |  | E |  | E | E | E | E | E |
| SKYDROL 500 TYPE 2 |  |  | E | X |  |  | X | X |  |  |  | E |  |  | X |  |
| SKYDROL 500B | G | G | E | X | E |  | X |  | E |  | E | E |  | C | X |  |
| SKYDROL 500C | G | G |  | X | E |  | X |  |  |  |  | E |  |  | X |  |
| SKYDROL 7000 TYPE 2 |  |  | E |  |  |  | X | X |  |  |  | E |  |  | G |  |
| SOAP SOLUTIONS | E | E | E | E | E | G | G | E | E | E | E | E |  | C | E | E |
| SODA ASH | E | E | E | E |  | E | E | E | E | E |  | E | E |  | E | E |
| SODA LIME | E |  |  | G |  | E |  |  |  | G |  |  | E |  | F | E |
| SODA NITER | E | E |  | E |  | E |  |  |  | E |  |  |  |  | E | E |
| SODA, CAUSTIC | E |  |  | E |  | G |  |  |  | G |  |  | E |  | F | E |
| SODIUM ACETATE | G | E | E | X |  | X | G | G |  | X |  | E | E | E | X | E |
| SODIUM ALUMINATE | E | E |  | E |  | E |  |  |  | E |  |  | E |  | E | E |
| SODIUM BICARBONATE | E |  | E | E |  | E | E | E |  | E |  | E | E |  | E |  |

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| SODIUM BISULFATE | F | E | E | E |  | F | E | E | E | F |  | E | E |  | C | E |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SODIUM BISULFITE | E | E | E | E |  | E | E | E |  | E |  | E | E |  | E | C |
| SODIUM BORATE | E | E | E | E |  | E | E | E |  | E |  | E | E |  | E | E |
| SODIUM CARBONATE 10\%-15\% | E | E | E | E |  | E | E | E |  | E |  |  | E |  | E | E |
| SODIUM CHLORIDE | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E |
| SODIUM CYANIDE | E | E | E | E |  | E | E | E | E | E |  | E | E |  | C | E |
| SODIUM DICHROMATE | E | E | E | F | X | C | C | C |  | C |  |  | E |  | C | G |
| SODIUM HYDRATE | E |  |  | G |  | E |  |  |  | G |  |  |  |  | F | E |
| SODIUM HYDROCHLORITE | G |  | G | F |  | X | X | X |  | X |  |  |  |  | G | G |
| SODIUM HYDROXIDE (CAUSTIC SODA) | E | E | E | G | G | E | G | X | C | G |  | E | E | G | G | E |
| SODIUM HYPOCHLORITE | G | E | G | F | E | X | X | G | X | X | E | E | E | X | E | G |
| SODIUM METAPHOSPHATE | E | E | E | G |  | E | G | E |  | E |  | E | E |  | E | E |
| SODIUM NITRATE | E | E | E | E |  | E | G | G | E | E |  | E | E | X | C | E |
| SODIUM PERBORATE | E |  | E | G |  | G | G | G | E | G |  | E | E |  | E | E |
| SODIUM PEROXIDE | E | G | E | G | C | G | G | G |  | G |  | E | E | X | E | E |
| SODIUM PHOSPHATE | E | E | E | E |  | E | G | E | E | E |  | G | E | E | E | E |
| SODIUM SILICATE | E | E | E | E |  | E | E | E | E | E |  | E | E |  | E | E |
| SODIUM SULFATE | E | E | E | E |  | E | E | E | E | E |  | E | E |  | E | E |
| SODIUM SULFIDE | E | E | E | E |  | E | E | E | E | E |  |  |  | E | E | E |
| SODIUM SULFITE | E | E | E | E |  | E | E | E |  | E |  |  | E | E | E | E |
| SODIUM THIOSULFATE | E | E | E | E |  | E | E | G | E | E |  | E | E | E | E | E |
| SOYBEAN OIL | E |  | C | G | C | X | G | E | E | X |  | E | E | G | E | E |
| STANNIC CHLORIDE | E | E | E | E |  | E | X | E | E | E |  | E | E |  |  | E |
| STANNIC SULFIDE | E |  |  | E |  | E |  |  |  | E |  |  |  |  |  | E |
| STANNOUS CHLORIDE | E | E | E | E | C | E | E | E |  | E |  | E | E |  | C | E |
| STANNOUS SULFIDE | E |  |  | E |  | E |  |  |  | E |  |  |  |  |  | E |
| STEAM, BELOW $350^{\circ} \mathrm{F}$ | G | X | E | X | C | X | X | X | X | X |  | E | X | X | X | X |
| STEARIC ACID | G | E | G | X | C | X | G | G | E | X | E | E | E | E | C | E |
| STODDARD SOLVENT | X | E | X | X |  | X | G | E |  | X |  | E | E | E | E | E |
| STYRENE | X | C | X | X | X | X | X | X | E | X |  | E | G | E | G | G |
| SULFAMIC ACID | E | E | E | G |  | G | G | G |  | G |  |  |  |  | C | C |
| SULFUR | F |  | F | F |  | X | X | X |  | X |  | E | E |  | G | X |
| SULFUR CHLORIDE | X |  | X | G |  | X | C | C | G | X |  | E | E |  | E | E |
| SULFUR DIOXIDE | G |  | G | G | C | C | X | X | X | C |  | E | G |  | C | C |
| SULFUR TRIOXIDE, DRY | G | X | G | X |  | G | X | X | X | G |  | E | X |  | E | G |
| SULFURIC ACID 60\% (200F) |  | G |  |  |  |  |  |  |  |  |  |  | X |  |  | X |
| SULFURIC ACID, CONC. TO 98\% | X | X | X | E | C | X | X | X | X | X |  | C | E | X | E | E |
| SULFURIC ACID, FUMING | X | X | X | X | X | X | X | X |  | X |  | E | X |  | X | X |
| SULFURIC ACID, 25\% | E |  | E | X | X | G | X | X | X | X |  | E | E | X | F | E |
| SULFURIC ACID, 25\% - 50\% | E | E | E | X | X | G | X | X | X | X |  | E | E | X | G | E |
| SULFURIC ACID, 50\% - 96\% | X |  | X | G | X | X | X | X | X | X |  | E | E | X | E | E |
| SULFUROUS ACID, 10\% | E | E | G | E | G | E | X | X |  | G |  | E | E |  | C | E |
| SULFUROUS ACID, 10\% - 85\% | E | E | G | E | G | E | X | X |  | X |  | E | E |  | C | E |
| SUTAN |  |  |  |  |  |  |  |  |  |  |  | E |  |  | F | E |
| T-BUTYLAMINE |  |  | G | X |  |  |  |  |  |  |  |  |  |  |  |  |
| TALL OIL | X |  | X | X |  | X | G | E |  | X |  |  | E |  | E | C |
| TALLOW | X |  | X | X |  | X | G | E |  | X |  |  | E |  | C | C |
| TANNIC ACID | E | E | E | E | E | E | G | E | X | F | E | E | E | C | C | C |
| TAR | X |  | X | X |  | X | G | X | X | X |  | E | X |  | E | X |

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| TAR BITUMINOUS | X |  | X | X |  | X | C | G |  | X |  | E |  |  | E |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| TARTARIC ACID | E | E | G | E | C | C | G | E | X | X | E | E | E | C | C | C |
| TELONE 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | E |
| TERPINOL | C | E | C | X |  | X | X | G |  | X |  | E | G | G | E | G |
| TERTIARY BUTYL ALCOHOL | E | G | G | E |  | E | G | G |  | E |  | E |  | X | E | E |
| TERTIARY BUTYL AMINE |  |  | G | X |  |  |  |  |  |  |  |  |  |  |  |  |
| TERTIARY BUTYL MERCAPTAN | X |  | X | X |  | X | X | X |  | X |  | E |  |  | E |  |
| TETRACHLOROBENZENE | X |  |  | X |  | X |  |  |  | X |  |  |  |  | G | G |
| TETRACHLOROMETHANE | X | C |  | X |  | X |  |  |  | X |  |  |  |  | E | E |
| TETRACHLOROETHYLENE | X | X | X | X |  | X | X | X | C | X |  |  | E | X | E | E |
| TETRACHLORONAPHTHALENE | X |  |  | X |  | X |  |  |  | X |  |  |  |  | G | G |
| TETRAETHYLENE GYLCOL | E |  |  | E |  | E |  |  |  | E |  |  |  |  | E |  |
| TETRAETHYLORTHOSILICATE |  | E |  |  | G |  |  | X |  |  |  |  |  |  |  |  |
| TETRAHYDROFURAN | X | X | X | X | G | X | X |  | C | X | X |  |  | X | X | C |
| THF |  |  |  |  |  |  |  |  | C |  |  |  |  |  |  | C |
| TIN CHLORIDE | E |  |  | E |  | E |  | G |  | E |  |  | E |  |  | E |
| TITANIUM TETRACHLORIDE | X | X | X | X | C | X | X | X |  | X |  |  | G | X | E |  |
| TOLUENE | E | X | X | X |  | X | X |  | E | X | X | E | E | X | E | G |
| TOLUIDINE |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TOLUOL |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TRANSFORMER OIL | X | E | X | C |  | X | G | E |  | X |  | E | E | E | E |  |
| TRANSMISSION 'A' OIL | X | E | X | X |  | X | G | E | E | X |  | E |  | E | E | F |
| TRI (2-HYDROXYETHYL) AMINE |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TRIBUTYL PHOSPHATE | E | C | G | X |  | X | X | X | E | X |  | E | E | X | X | E |
| TRIBUTYLAMINE | E | E |  | F |  | G | G |  |  | G |  |  |  |  |  |  |
| TRICHLOROACETIC ACID | G |  | G | X |  | C | X | G |  | G |  | E | E | X | C | E |
| TRICHLOROBENZENE | X | X |  | X |  | X |  |  |  | X |  |  |  |  | G | G |
| TRICHLOROETHANE | X | X | X | X |  | X | X | X |  | X |  | E |  | X | E | G |
| TRICHLOROETHYLENE | X | X | X | X | C | X | X | X | E | X |  | X | G | X | E | G |
| TRICHLOROMETHANE |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TRICHLOROTOLUENE |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TRICRESYL PHOSPHATE | E | E | X | X |  | X | X | X |  | X |  | E | E | X | G | E |
| TRIETHANOLAMINE | E | E | G | G | X | E | G | C |  | X |  | E | E | X | X | E |
| TRIETHYLAMINE | E | E |  | F |  | G |  |  |  | G |  |  |  |  |  |  |
| TRIETHYLENE GLYCOL | E | E |  | E |  | E |  |  |  | E |  |  |  |  | E |  |
| TRIHYDROXYBENZOIC ACID |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TRIMETHYL PENTANES (MIXED) |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TRIMETHYL PENTENE |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TRIMETHYLAMINE |  | E |  |  |  |  |  |  |  |  |  | E | E |  |  | E |
| TRISODIUM PHOSPHATE | E | E | E | E | E | E | E | E | E | E |  | E |  | E | E | E |
| TRITOYL PHOSPHATE |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TUNG OIL |  |  |  |  |  |  | G |  |  |  |  |  | E |  |  |  |
| TUNG OIL (CHINA OIL) | C |  | X | C | C | X | G | E |  | X |  | E | E | C | E | E |
| TURPENTINEX | X | G | X | X |  | X | X | X | E | X | X | E | G | E | E | G |
| UDMH |  |  | E | E |  | E | G | G |  | E |  |  |  |  | X |  |
| UNDECYL ALCOHOL |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| UREA | E | E |  |  |  |  | E |  | E |  |  | E | E | E |  | E |
| URETHANE FORMULATIONS |  |  |  |  |  |  |  | E | E |  |  | E |  |  |  |  |
| URIC ACID |  |  |  |  |  |  |  |  | E |  | E |  |  |  |  |  |

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