

Chemical Names/CAS Numbers

| CAS No. | Chemical Name | CAS No. | Chemical Name | CAS No. | Chemical Name | CAS No. | Chemical Name |
|---------|--|----------|--|----------|--|-----------|--|
| 7-31-3 | Methyl Formate | 78-87-5 | Dichloropropane | 108-5-4 | Vinyl Acetate | 136-60-7 | Butyl Benzoate |
| 10-54-3 | Hexane | 78-93-3 | Methyl Ethyl Ketone | 108-24-7 | Acetic Anhydride | 137-42-8 | Sodium Methylthiocarbamate |
| 50-0-0 | Formaldehyde | 78-96-6 | Isopropanol Amine | 108-31-6 | Maleic Anhydride | 140-1-2 | Diethylenetriammapentacetate acid, sodium salt (-penta sodium) |
| 50-21-5 | Lactic Acid | 79-0-5 | Trichloroethane (1,1,2) | 108-44-1 | Toluidine (m-) | 140-31-8 | Aminoethyl Piperazine |
| 50-70-4 | Sorbitol | 79-1-6 | Trichloroethylene | 108-46-3 | Resorcinol | 140-88-5 | Ethyl Acrylate |
| 50-78-2 | Acetylsalicylic Acid | 79-3-8 | Propionyl Chloride | 108-65-6 | Propylene Glycol Methyl Ether Acetate | 141-32-2 | Butyl Acrylate |
| 56-23-5 | Carbon Tetrachloride | 79-6-1 | Acrylamide | 108-77-0 | Cyanuric Chloride | 141-43-5 | Ethanolamine |
| 56-81-5 | Glycerin or Glycerol | 79-9-4 | Propionic Acid | 108-80-5 | Cyanuric Acid | 141-78-6 | Ethyl Acetate |
| 56-93-9 | Benzyltrimethylammonium Chloride | 79-10-7 | Acrylic Acid | 108-83-8 | Diisobutyl Ketone | 141-91-3 | Dimethyl Morpholine (2,6-) |
| 57-10-3 | Palmitic Acid | 79-11-8 | Chloroacetic Acid | 108-88-3 | Toluene | 141-97-9 | Ethyl Acetoacetate |
| 57-11-4 | Stearic Acid | 79-14-1 | Glycolic acid | 108-90-7 | Chlorobenzene | 142-4-1 | Aniline Hydrochloride |
| 57-13-6 | Urea | 79-14-1 | Hydroxyacetic Acid | 108-91-8 | Cyclohexylamine | 142-62-1 | Hexanoic Acid |
| 57-50-1 | Cane Sugar, Sugar | 79-20-9 | Methyl Acetate | 108-91-8 | Cyclohexanone | 142-82-5 | Heptane, n- |
| 57-55-6 | Propylene Glycol | 79-21-0 | Peracetic Acid | 108-95-2 | Phenol | 142-91-6 | Isopropyl Palmitate |
| 60-24-2 | Mercaptoethanol | 79-41-4 | Methacrylic Acid | 109-43-3 | Dibutyl Sebacate | 142-96-1 | Dibutyl Ether (-n) |
| 60-29-7 | Diethyl Ether | 79-43-6 | see Chloroacetic Acid | 109-60-4 | Propyl Acetate | 143-7-7 | Lauric Acid |
| 60-29-7 | Ethyl Ether | 80-62-6 | Methyl Methacrylate | 109-64-8 | Dibromopropane | 143-33-9 | Sodium Cyanide |
| 60-34-4 | Monomethylhydrazine | 81-16-3 | Tobias Acid | 109-69-3 | Butyl Chloride | 144-55-8 | Sodium Bicarbonate |
| 62-53-3 | Aniline | 84-69-5 | Diisobutyl Phthalate | 109-70-6 | Trimethylene Chlorobromide | 144-62-7 | Oxalic Acid |
| 62-56-6 | Thiourea | 84-74-2 | Dibutyl Phthalate | 109-73-9 | Butyl Amine | 149-91-7 | Gallic Acid |
| 62-76-0 | Sodium Oxalate | 85-44-9 | Phthalic Anhydride | 109-89-7 | Diethylamine | 151-21-3 | Sodium Lauryl Sulfate |
| 64-2-8 | Ethylenediaminetetraacetic acid, tetrasodium salt (EDTA) | 85-52-9 | o-Benzoyl Benzoic Acid | 109-99-9 | Tetrahydrofuran THF | 151-50-8 | Potassium Cyanide |
| 64-17-5 | Alcohol, Ethyl: e.g. ethanol | 87-86-5 | Pentachlorophenol | 110-16-7 | Maleic Acid | 287-92-3 | Cyclopentane |
| 64-17-5 | Ethanol (Ethyl Alcohol) | 88-89-1 | Picric Acid (Alcoholic) | 110-27-0 | Isopropyl Myristate | 298-7-7 | Di (2-Ethylhexyl) Phosphoric Acid (DEHPA) |
| 64-18-6 | Formic Acid | 88-99-3 | Phthalic Acid | 110-61-2 | Succinonitrile | 298-12-4 | Glyoxylic Acid |
| 64-19-7 | Acetic Acid | 89-8-7 | Sulfophthalic Acid (4-) | 110-82-7 | Cyclohexane | 298-14-6 | Potassium Bicarbonate |
| 64-67-5 | Diethyl Sulfate | 91-20-3 | Naphthalene | 110-86-1 | Pyridine | 301-4-2 | Lead (II) Acetate |
| 65-85-0 | Benzoic Acid | 91-22-5 | Quinoline | 110-91-8 | Morpholine | 302-1-2 | Hydrazine |
| 67-43-6 | Diethylenetriaminopentaacetic acid | 93-97-0 | Benzoic Anhydride | 110-94-1 | Glutaric Acid | 334-48-5 | Capric Acid (Decanoic Acid) |
| 67-48-1 | Choline Chloride | 94-75-7 | 2,4-Dichlorophenoxyacetic Acid | 111-30-8 | Glutaraldehyde | 334-48-5 | Decanoic Acid |
| 67-56-1 | Methanol (Methyl Alcohol) | 95-49-8 | Chlorotoluene (o-) | 111-40-0 | Diethylenetriamine | 497-19-8 | Sodium Carbonate |
| 67-63-0 | Isopropyl Alcohol | 95-50-1 | Dichlorobenzene (o-) | 111-42-2 | Diethanolamine | 506-59-2 | Dimethylammonium Hydrochloride (Dimethylamine HCl, DMA-HCl) |
| 67-64-1 | Acetone | 95-53-4 | Toluidine (o-) | 111-46-6 | Diethylene Glycol | 506-64-9 | Silver Cyanide |
| 67-68-5 | Dimethyl Sulfoxide (DMSO) | 95-63-6 | Trimethyl Benzene | 111-76-2 | Ethylene Glycol n-Butylether: Ethanol, 2-butoxy | 507-40-4 | Butyl Hypochlorite (tert-) |
| 67-72-1 | Hexachloroethane | 96-13-9 | Dibromopropanol (2, 3-) | 111-77-3 | Diethylene Glycol Methyl Ether | 513-77-9 | Barium Carbonate |
| 68-11-1 | Mercaptoacetic Acid | 96-22-0 | Diethyl Ketone | 111-90-0 | Diethylene Glycol Monoethyl Ether | 526-83-0 | Tartaric Acid |
| 68-12-2 | Dimethyl Formamide | 96-23-1 | Glycerol Dichlorohydrin | 111-96-6 | Diethylene Glycol Dimethylether | 526-95-4 | Glycolic Acid |
| 69-72-7 | Salicylic Acid | 96-24-2 | Glycerol Monochlorohydrin | 112-16-3 | Lauryl Chloride | 527-7-1 | Sodium Gluconate |
| 71-23-8 | Propanol (n-) | 97-65-4 | Itaconic Acid | 112-18-5 | Dodecylmethylamine | 532-32-1 | Sodium Benzoate |
| 71-36-3 | Alcohol, Butyl: e.g. n-butanol | 97-99-4 | Tetrahydrofuryl Alcohol | 112-27-6 | Triethylene Glycol | 540-54-5 | Propyl Chloride |
| 71-36-3 | Butanol (n-) | 98-0-0 | Furfuryl Alcohol | 112-30-1 | Decanol | 540-59-0 | Dichloroethylene |
| 71-36-3 | Butyl Alcohol | 98-1-1 | Furfural | 112-34-5 | Diethylene Glycol n-Butyl Ether also called Ethanol,2-(2-butoxy-ethoxy)- | 540-72-7 | Sodium Thiocyanate |
| 71-41-0 | Alcohol, Amyl: e.g. 1-pentanol | 98-7-7 | Benzotrithionide | 112-40-3 | Dodecane | 540-82-9 | Ethyl Sulfate |
| 71-43-2 | Benzene | 98-9-9 | Benzenesulfonyl Chloride | 112-41-4 | Dodecene | 541-41-3 | Ethyl Chloroformate |
| 71-55-6 | Trichloroethane (1,1,1-) | 98-11-3 | Benzenesulfonic Acid | 112-52-7 | Lauryl Chloride | 542-16-5 | Aniline Sulfate |
| 74-82-8 | Methane | 98-82-8 | Cumene | 112-53-8 | Dodecanol (Lauryl Alcohol) | 542-62-1 | Barium Cyanide |
| 74-83-9 | Methyl Bromide | 98-83-9 | Alpha-Methylstyrene | 112-53-8 | Lauryl Alcohol | 542-75-6 | Dichloropropene |
| 74-87-3 | Methyl Chloride | 98-83-9 | Methylstyrene (Alpha-) | 112-55-0 | Dodecylmercaptan | 543-59-9 | Amyl Chloride |
| 74-89-5 | Methylamine | 98-86-2 | Acetophenone | 112-55-0 | Lauryl Mercaptan | 543-59-9 | Chloropentane |
| 74-90-8 | Hydrocyanic Acid | 98-87-3 | Dichlorotoluene | 112-73-2 | Dibutyl Carbitol (diethylene glycol dibutyl ether) | 543-80-6 | Barium Acetate |
| 74-93-1 | Methyl Mercaptan (Gas) | 98-88-4 | Benzoyl Chloride | 112-80-1 | Oleic Acid | 544-63-8 | Myristic Acid |
| 74-96-4 | Ethyl Bromide | 98-95-3 | Nitrobenzene | 117-81-7 | Diethyl Phthalate | 544-92-3 | Copper Cyanide |
| 74-98-6 | Propane | 100-37-8 | Diethylaminoethanol | 120-51-4 | Benzyl Benzoate | 545-6-2 | Trichloroacetone |
| 75-0-3 | Ethyl Chloride | 100-41-4 | Ethylbenzene | 121-3-9 | Nitrotoluene (4-) Sulfonic Acid (2-) | 546-93-0 | Magnesium Carbonate |
| 75-1-4 | Vinyl Chloride | 100-42-5 | Styrene | 121-43-7 | Trimethyl Borate in Methyl Alcohol | 554-7-4 | Potassium Gold Cyanide |
| 75-4-7 | Ethyl Amine | 100-44-7 | Benzyl Chloride | 121-44-8 | Triethylamine | 554-13-2 | Lithium Carbonate |
| 75-5-8 | Acetonitrile | 100-51-6 | Benzyl Alcohol | 121-47-1 | Sulfanilic Acid (meta) | 557-21-1 | Zinc Cyanide |
| 75-7-0 | Acetaldehyde | 100-52-7 | Benzaldehyde | 121-57-3 | Sulfanilic Acid (para) | 583-52-8 | Potassium Oxalate |
| 75-9-2 | Dichloromethane | 100-97-0 | Hexamethylenetetramine | 121-69-7 | Dimethylaniline (N,N) | 584-8-7 | Potassium Carbonate |
| 75-9-2 | Methylene Chloride | 101-2-0 | Triphenyl Phosphite | 123-42-2 | Diacetone Alcohol | 593-81-7 | Trimethyl Ammonium Chloride (Trimethylamine HCl, TMA-HCl) |
| 75-12-7 | Formamide | 101-68-8 | Diphenylmethane-4,4-Diisocyanate (MDI) | 123-51-3 | Isoamyl Alcohol | 598-54-9 | Copper Acetate |
| 75-15-0 | Carbon Disulfide | 101-84-8 | Diphenyl Oxide | 123-72-8 | Butyraldehyde | 608-33-3 | Dibromophenol (2,6) |
| 75-18-3 | Dimethyl Sulfide | 102-71-6 | Triethanolamine | 123-76-2 | Levulinic Acid (also 4-oxopentanoic acid) | 611-6-3 | Dichloronitrobenzene (2,4-) |
| 75-21-8 | Ethylene Oxide | 104-15-4 | Toluenesulfonic Acid | 123-86-4 | Butyl Acetate | 615-58-7 | Dibromophenol (2,4) |
| 75-31-0 | Isopropyl Amine | 104-74-5 | Lauryl Pyridinium Chloride | 123-91-1 | Dioxane | 616-38-6 | Dimethylcarbonate |
| 75-36-5 | Acetyl Chloride | 104-76-7 | Isooctyl Alcohol | 123-95-5 | Butyl Stearate | 617-84-5 | Diethyl Formamide |
| 75-45-6 | Chlorodifluoromethane | 105-58-8 | Diethyl Carbonate | 123-99-9 | Azelaic Acid | 622-97-9 | Methylstyrene (p-) |
| 75-52-5 | Nitromethane | 105-60-2 | Caprolactam | 124-4-9 | Adipic Acid | 626-61-9 | Chloropyridine |
| 75-56-9 | Propylene Oxide | 106-43-4 | Chlorotoluene (p-) | 124-7-2 | Caprylic Acid (Octanoic Acid) | 627-3-2 | Ethoxy Acetic Acid |
| 75-59-2 | Tetramethyl Ammonium Hydroxide | 106-46-7 | Dichlorobenzene (p-) | 124-7-2 | Octanoic Acid | 628-63-7 | Amyl Acetate |
| 75-69-4 | Chlorofluorocarbon (CFC): R-11 (Trichlorofluoromethane) | 106-49-0 | Toluidine (p-) | 124-38-9 | Carbon Dioxide | 630-8-0 | Carbon Monoxide Gas |
| 75-71-8 | Chlorofluorocarbon (CFC): R-12 (Dichlorodifluoromethane) | 106-88-7 | Butylene Oxide (1,2-) | 124-40-3 | Dimethyl Amine | 630-20-6 | Tetrachloroethane |
| 75-87-6 | Chloral | 106-89-8 | Epichlorohydrin | 126-11-4 | Nitromethane (tris, hydroxymethyl) | 631-61-8 | Ammonium Acetate |
| 75-99-0 | Dichloropropionic Acid (2,2-) | 106-93-4 | Ethylene Dibromide | 126-30-7 | Neopentyl Glycol | 704-76-7 | 2-Ethylhexyl Alcohol |
| 76-1-7 | Pentachloroethane | 106-97-8 | Butane | 126-72-7 | Dibromopropyl Phosphate | 753-73-1 | Dimethyl Tin Dichloride |
| 76-3-9 | Trichloroacetic Acid | 106-99-0 | Butadiene | 126-73-8 | Tributyl Phosphate | 759-94-4 | Ethyl-N,N-di-n-propylthiocarbamate (herbicide) |
| 76-5-1 | Trifluoroacetic Acid (see Chloroacetic Acid) | 107-2-8 | Acrolein (Acrylaldehyde) | 127-9-3 | Sodium Acetate | 763-69-9 | Ethyl-3-Ethoxy Propionate |
| 76-6-2 | Chloropicrin (Nitrochloroform) | 107-5-1 | Allyl Chloride | 127-18-4 | Perchloroethylene | 853-68-9 | Anthraquinone Disulfonic Acid |
| 76-13-1 | Chlorofluorocarbon (CFC): CFC-113 (Trichlorotrifluoroethane) | 107-6-2 | Dichloroethane | 127-18-4 | Tetrachloroethylene (Perchloroethylene) | 866-81-9 | Cobalt Citrate |
| 77-47-4 | Hexachlorocyclopentadiene | 107-7-3 | Ethylene Chlorohydrin | 127-19-5 | Dimethyl Acetamide | 868-18-8 | Sodium Tartrate |
| 77-73-6 | Dicyclopentadiene | 107-13-1 | Acrylonitrile | 127-20-8 | Dalapon, Sodium salt (Also 2,2-dichloropropionic acid and sodium salt) | 872-50-4 | N-methyl-2-pyrrolidone |
| 77-78-1 | Dimethyl Sulfate | 107-15-3 | Ethylene Diamine | 128-4-1 | Sodium Dimethylthiocarbamate | 929-6-6 | Diglycolamine |
| 77-92-9 | Citric Acid | 107-39-1 | Diisobutylene | 131-11-3 | Dimethyl Phthalate | 993-16-8 | Methyl Tin Trichloride |
| 78-10-4 | Ethyl Silicate | 107-92-6 | Butyric Acid | 131-17-9 | Diallylphthalate | 1066-33-7 | Ammonium Bicarbonate |
| 78-10-4 | Tetraethyl Orthosilicate | 107-96-0 | Mercaptopropionic (3-) Acid | 132-27-4 | Sodium salt o-phenylphenate (Antimicrobial) | 1071-83-6 | Glyphosate |
| 78-42-2 | Trioctylphosphate | 107-98-2 | 1-Methoxy-2-Propanol | | | 1113-38-8 | Ammonium Oxalate |
| 78-50-2 | Trioctyl Phosphine Oxide | 108-1-0 | Dimethylethanolamine | | | | |
| 78-83-1 | Isobutyl Alcohol | | | | | | |

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| 1191-50-0 | Sodium Myristyl Sulfate | 7664-38-2 | Phosphoric Acid | 8002-74-2 | Paraffin Wax | 13598-36-2 | Phosphorous Acid, ortho- |
| 1300-21-6 | Dichloroethane | 7664-39-3 | Hydrofluoric Acid or hydrogen fluoride | 8002-92-4 | Ammonium Carbonate | 13601-19-9 | Sodium Ferrocyanide |
| 1300-72-7 | Sodium Xylene Sulfonate | 7664-41-7 | Ammonia | 8006-64-2 | Turpentine | 13674-87-8 | Dichloro-(2)-Propyl Phosphate |
| 1302-42-7 | Sodium Aluminate | 7664-93-9 | Sulfuric Acid | 8007-56-5 | Aqua Regia | 13746-66-2 | Potassium Ferricyanide |
| 1303-96-4 | Borax | 7681-11-0 | Potassium Iodide | 8007-69-0 | Almond Oil | 13755-29-8 | Sodium Fluoroborate |
| 1305-62-0 | Calcium Hydroxide | 7681-38-1 | Sodium Bisulfate | 8008-20-6 | Kerosene | 13770-89-3 | Nickel Sulfamate |
| 1309-42-8 | Magnesium Hydroxide | 7681-49-4 | Sodium Fluoride | 8008-79-5 | Spearmint Oil <18> | 13774-25-9 | Magnesium Bisulfite |
| 1310-58-3 | Potassium Hydroxide | 7681-52-9 | Sodium Hypochlorite | 8012-14-4 | Sodium Hexametaphosphate | 13814-97-6 | Tin Fluoroborate |
| 1310-65-2 | Lithium Hydroxide | 7681-53-0 | Sodium Monophosphate | 8013-7-8 | Soybean Oil, epoxidized | 13826-88-5 | Zinc Fluoroborate |
| 1310-73-2 | Sodium Hydroxide | 7681-57-4 | Sodium Metabisulfite | 8013-54-5 | Chloroform | 13840-33-0 | Lithium Hypochlorite |
| 1312-76-1 | Potassium Metasilicate | 7697-37-2 | Nitric Acid | 8014-95-7 | Oleum (Fuming Sulfuric) | 13843-59-9 | Ammonium Bromate |
| 1313-82-2 | Sodium Sulfide | 7704-34-9 | Sulfur | 8016-79-3 | Beet Sugar Liquor | 13846-18-9 | Calcium Bisulfite |
| 1314-56-3 | Phosphorous Pentoxide | 7705-8-0 | Ferric Chloride | 8017-16-1 | Polyphosphoric Acid | 13943-58-3 | Potassium Ferrocyanide |
| 1314-85-8 | Phosphorus Sesquisulfide | 7718-54-9 | Nickel Chloride | 8017-16-1 | Superphosphoric Acid | 13967-50-5 | Potassium Gold Cyanide |
| 1317-65-3 | Calcium Carbonate | 7719-9-7 | Thionyl Chloride | 8027-16-5 | Cresols, Mixture | 14216-75-2 | Nickel Nitrate |
| 1319-77-3 | Cresylic Acid | 7719-12-2 | Phosphorus Trichloride | 8028-89-5 | Caramel | 14217-21-1 | Sodium Ferricyanide |
| 1327-41-9 | Aluminum Chlorohydrate | 7720-78-7 | Ferrous Sulfate | 8029-43-4 | Corn Syrup | 14518-69-5 | Tetra-n-Butylphosphonium Hydroxide |
| 1327-52-2 | Arsenic Acid | 7722-64-7 | Potassium Permanganate | 8032-32-4 | Naphtha | 15972-60-8 | Alachlore, Herbicide |
| 1327-53-3 | Arsenious Acid | 7722-76-1 | Ammonium Phosphate, monobasic | 8052-42-4 | Asphalt | 16529-56-9 | 2-Methyl-3-Butenenitrile |
| 1330-20-7 | Xylene | 7722-84-1 | Hydrogen Peroxide | 8061-53-8 | Ammonium Ligno Sulfonate | 16672-87-0 | Ethephon |
| 1330-43-4 | Sodium Tetraborate | 7722-88-5 | Tetrapotassium Pyrophosphate | 8062-15-5 | Lignin Sulfate | 16721-80-5 | Sodium Bisulfide (Hydrosulfide) |
| 1330-78-5 | Tricresyl Phosphate | 7726-95-6 | Bromine | 8064-96-2 | Cashew Nut Oil | 16721-80-5 | Sodium Hydrosulfide |
| 1330-86-5 | Isooctyl Adipate | 7727-15-3 | Aluminum Bromide | 8140-1-2 | Cocamidopropyl Dimethylamine | 16872-11-0 | Fluoboric Acid |
| 1330-96-4 | Sodium Borate | 7727-21-1 | Potassium Persulfate | 9002-85-1 | Polyvinylidene Chloride (PVDC) | 16893-85-9 | Sodium Fluorosilicate |
| 1333-39-7 | Phenol Sulfonic Acid | 7727-43-7 | Barium Sulfate | 9002-86-2 | Polyvinyl Chloride (PVC) | 16940-66-2 | Sodium Borohydride SWS (Stabilized Water Solution) |
| 1333-83-1 | Sodium Bifluoride | 7727-54-0 | Ammonium Persulfate | 9002-89-5 | Polyvinyl Alcohol | 16949-65-8 | Magnesium Fluosilicate |
| 1335-54-2 | Diisopropanolamine | 7732-18-5 | Water or steam | 9002-98-6 | Polyethyleneimine | 16961-83-4 | Fluosilicic Acid |
| 1336-21-6 | Ammonium Hydroxide | 7733-2-0 | Zinc Sulfate | 9003-1-4 | Polyacrylic Acid | 16961-83-4 | Hydrofluosilicic Acid |
| 1341-49-7 | Ammonium Bifluoride | 7738-94-5 | Chromic Acid | 9003-4-7 | Sodium Polyacrylate | 17194-0-2 | Barium Hydroxide |
| 1344-9-8 | Sodium Silicate | 7757-79-1 | Potassium Nitrate | 9003-5-8 | Polyacrylamide | 17439-11-1 | Fluotitanic Acid |
| 1344-67-8 | Copper Chloride | 7757-82-6 | Sodium Sulfate | 9003-20-7 | Polyvinyl Acetate Emulsion | 17496-8-1 | Ammonium Propionate |
| 1461-25-2 | Tetrabutyltin | 7757-83-7 | Sodium Sulfite | 9003-35-4 | Phenol Formaldehyde Resin | 18130-44-4 | Titanium Sulfate |
| 1565-80-6 | Amyl Alcohol | 7757-87-1 | Magnesium Phosphate | 9003-35-4 | Phenolic Resin | 18483-17-5 | Tannic Acid |
| 1634-4-4 | Methyl t-Butyl Ether | 7758-1-2 | Potassium Bromate | 9004-32-4 | Carboxymethylcellulose | 19351-18-9 | 2,2-Dimethyl Thiazolidine |
| 1634-4-4 | t-Butyl Methyl Ether (MTBE) | 7758-2-3 | Potassium Bromide | 9004-74-4 | Polyethylene glycol methyl ether | 21645-51-2 | Aluminum Hydroxide |
| 1762-95-4 | Ammonium Thiocyanate | 7758-11-4 | Dipotassium phosphate | 9005-25-8 | Starch | 23210-56-2 | N-Chloro-o-Tolyl (insecticide emulsion) |
| 1863-63-4 | Ammonium Benzoate | 7758-19-2 | Sodium Chlorite | 9016-45-9 | Ethoxylated Nonyl Phenol | 24347-58-8 | Butylene Glycol |
| 2008-39-1 | 2,4-D, Dimethylamine salt | 7758-29-4 | Sodium Tripolyphosphate | 10025-73-7 | Chromic Chloride | 24800-44-0 | Tripropylene Glycol, see Ethylene Glycol |
| 2052-49-5 | Tetra-n-Butylammonium Hydroxide | 7758-98-7 | Copper Sulfate | 10025-87-3 | Phosphorus Oxychloride | 25013-15-4 | Vinyl Toluene |
| 2082-81-7 | Trimethylamine | 7761-88-8 | Silver Nitrate | 10025-91-9 | Antimony Trichloride | 25154-55-6 | Nitrophenol |
| 2090-64-4 | Carbonic acid | 7772-98-7 | Sodium Thiosulfate | 10026-4-7 | Silicone Tetrachloride | 25155-30-0 | Sodium Dodecylbenzenesulfonate |
| 2235-54-3 | Ammonium Lauryl Sulfate | 7772-99-8 | Stannous Chloride | 10028-15-6 | Ozone in solution | 25265-71-8 | Dipropylene Glycol |
| 2402-79-1 | Tetrachloropyridine | 7773-1-5 | Manganese Chloride (Manganous Chloride) | 10034-85-2 | Hydroiodic Acid | 25322-68-3 | Polyethylene Glycol |
| 2836-32-0 | Sodium Glycolate | 7775-9-9 | Sodium Chlorate | 10034-93-2 | Hydrazine Sulfate | 25339-17-7 | Isodecanol |
| 2971-90-6 | Lopidol | 7775-14-6 | Sodium Chromate | 10035-10-6 | Hydrobromic Acid or Hydrogen Bromide | 25340-17-4 | Diethylbenzene |
| 3012-65-5 | Ammonium Citrate | 7775-27-1 | Sodium Hydroxide | 10039-54-0 | Hydroxylamine Acid Sulfate | 25567-55-9 | Sodium Tetrachlorophenate |
| 3039-83-6 | Ethylenesulfonic acid, sodium salt | 7778-50-9 | Potassium Dichromate | 10043-1-3 | Aluminum Sulfate | 25639-42-3 | Methylcyclohexanol |
| 3251-23-8 | Copper Nitrate | 7778-54-3 | Calcium Hypochlorite | 10043-35-3 | Boric Acid | 26248-24-8 | Sodium Tridecylbenzene Sulfonate |
| 3710-84-7 | Diethyl Hydroxylamine | 7778-66-7 | Potassium Hypochlorite | 10043-52-4 | Calcium Chloride | 26968-58-1 | Ethyl Benzyl Chloride |
| 4316-73-8 | Sodium Sarcosinate | 7778-80-5 | Potassium Sulfate | 10043-67-1 | Aluminum Potassium Sulfate | 27138-31-4 | Dipropylene Glycol Dibenzoate |
| 5329-14-6 | Sulfamic Acid | 7779-86-4 | Zinc Hydrosulfite | 10049-4-4 | Chlorine Dioxide | 27176-87-0 | Dodecyl Benzene Sulfonic Acid |
| 5421-46-5 | Ammonium Thioglycolate | 7779-88-6 | Zinc Nitrate | 10099-74-8 | Lead (II) Nitrate | 27458-94-2 | Isononyl Alcohol |
| 5536-61-8 | Sodium Methacrylate | 7779-90-0 | Zinc Phosphate | 10101-53-8 | Chromic Sulfate | 28348-53-0 | Sodium Cumenesulfonate |
| 5996-10-1 | Glucose | 7782-41-4 | Fluorine Gas | 10108-64-2 | Cadmium Chloride | 28553-12-0 | Diisononyl Phthalate |
| 6164-98-3 | Chlordimeform Insecticide | 7782-50-5 | Chlorine Gas | 10108-73-3 | Cerous Nitrate | 29965-97-7 | Cyclooctadiene |
| 6303-21-5 | Hypophosphorous Acid | 7782-77-6 | Nitrous Acid | 10112-91-1 | Mercurous Chloride | 31142-56-0 | Aluminum Citrate |
| 6484-52-2 | Ammonium Nitrate | 7782-99-2 | Sulfurous Acid | 10124-37-5 | Calcium Nitrate | 34590-94-8 | Dipropylene Glycol Methyl Ether, Propanol, (2-Methoxy-methylethoxy)- |
| 6871-90-2 | Potassium Silicofluoride | 7783-0-8 | Selenious Acid | 10137-74-3 | Calcium Chlorate | 35139-28-8 | Ferric Sulfate |
| 6899-5-4 | Glutamic Acid | 7783-6-4 | Hydrogen Sulfide | 10141-0-1 | Chromium Potassium Sulfate | 36653-82-4 | Cetyl alcohol |
| 6915-15-7 | Malic Acid | 7783-13-3 | Sodium Ammonium Phosphate | 10141-5-6 | Cobalt Nitrate (II) | 36653-82-4 | Hexadecanol (n-) |
| 7320-34-5 | Potassium Pyrophosphate | 7783-18-8 | Ammonium Thiosulfate | 10196-4-0 | Ammonium Sulfite | 50864-67-0 | Barium Sulfide |
| 7378-99-6 | Alkyl (C8-C10) Dimethyl Amine: e.g. octyl dimethyl amine | 7783-20-2 | Ammonium Sulfate | 10222-1-2 | Dibromonitrito-Propionamide | 51218-45-2 | Metolachlor |
| 7439-97-6 | Mercury | 7783-28-0 | Ammonium Phosphate, dibasic | 10257-55-3 | Calcium Sulfite | 61789-32-0 | Fatty Acids |
| 7446-9-9 | Sulfur Dioxide | 7783-28-0 | Diammonium Phosphate | 10294-34-5 | Boron Trichloride | 61789-40-0 | Cocamidopropyl Betaine |
| 7446-11-5 | Sulfur Trioxide | 7784-18-1 | Aluminum Fluoride | 10361-37-2 | Barium Chloride | 61789-77-3 | Dicoco Dimethyl Ammonium Chloride |
| 7446-70-0 | Aluminum Chloride | 7784-24-9 | Potassium Aluminum Sulfate | 10377-48-7 | Lithium Sulfate | 61804-50-0 | Divinyl Benzene |
| 7447-39-4 | Curpic Chloride, see Copper Chloride | 7784-46-5 | Sodium Arsenite | 10377-66-9 | Manganese Nitrate (Manganous) | 63449-41-2 | Benzyltrimethylammonium Chloride |
| 7447-40-7 | Potassium Chloride | 7785-87-7 | Manganese Sulfate (Manganous Sulfate) | 10421-48-4 | Ferric Nitrate | 65996-63-6 | Corn Starch |
| 7447-41-8 | Lithium Chloride | 7786-30-3 | Magnesium Chloride | 10450-55-2 | Ferric Acetate | 68002-20-0 | Melamine Formaldehyde Resin |
| 7487-88-9 | Magnesium Sulfate | 7786-81-4 | Nickel Sulfate | 10545-99-0 | Sulfur Dichloride | 68131-30-6 | Green Liquor (Pulp Mill) |
| 7488-52-0 | Zinc Sulfite | 7789-23-3 | Potassium Fluoride | 10553-31-8 | Barium Bromide | 68412-54-4 | Nonyl(phenoxy)poly(ethyleneoxy)ethanol, branched. |
| 7550-35-8 | Lithium Bromide | 7789-32-4 | Ammonium Bromide | 10588-1-9 | Sodium Dichromate | 68439-50-9 | Ethoxylated Alcohol, C12-C14 |
| 7550-45-0 | Titanium Tetrachloride | 7789-38-0 | Sodium Bromate | 11120-25-5 | Ammonium Tungstate | 68439-57-6 | Sodium alpha-Olefin Sulfonate |
| 7553-56-2 | Iodine | 7789-41-5 | Calcium Bromide | 12007-89-5 | Ammonium Pentaborate | 68476-34-6 | Diesel Fuel |
| 7558-79-4 | Sodium Phosphate (di) | 7790-92-3 | Hypochlorous Acid | 12021-95-3 | Fluozirconic Acid | 68476-78-8 | Molasses |
| 7558-80-7 | Sodium Phosphate (mono) | 7790-93-4 | Chloric Acid | 12028-48-7 | Ammonium Metatungstate | 68526-83-0 | Isooctyl Alcohol |
| 7601-54-9 | Sodium Phosphate (tri) | 7790-94-5 | Chlorosulfonic Acid | 12042-91-0 | Aluminum Chlorohydroxide | 68526-85-2 | Alcohol, Isodecyl: e.g. isodecanol |
| 7601-54-9 | Trisodium Phosphate | 7790-98-9 | Ammonium Perchlorate | 12124-99-1 | Ammonium Sulfide | 68603-42-9 | Coconut Fatty Acid |
| 7601-89-0 | Sodium Perchlorate | 7791-8-4 | Antimony Oxychloride | 12125-1-8 | Ammonium Fluoride | 72674-5-6 | Alpha Olefin Sulfonate |
| 7601-90-3 | Perchloric Acid | 8000-26-8 | Pine Oil | 12125-2-9 | Ammonium Chloride | 74552-83-3 | Trichloroethane (1,1,1-) |
| 7631-90-5 | Sodium Bisulfite | 8000-48-4 | Eucalyptus Oil | 12259-92-6 | Ammonium Polysulfide | 84961-48-8 | Coconut Oil |
| 7631-99-4 | Sodium Nitrate | 8001-22-7 | Soybean Oil | 12379-40-7 | Imidazolone Acetate | 91722-14-4 | Epoxidized Soybean Oil |
| 7632-0-0 | Sodium Nitrite | 8001-25-0 | Olive Oil | 12501-45-0 | Ammonium Molybdate | 95077-5-7 | Kaolin Slurry |
| 7646-78-8 | Stannic Chloride | 8001-26-1 | Linseed Oil | 13235-36-4 | Tetrasodium Ethylenediaminetetraacetic Acid (Tetrasodium Salt of EDTA) | 97328-76-2 | Carbonic Acid |
| 7646-79-9 | Cobalt Chloride | 8001-29-4 | Cottonseed Oil | 13463-67-7 | Titanium Dioxide | 99400-1-8 | Calcium Sulfate |
| 7646-85-7 | Zinc Chloride | 8001-30-7 | Corn Oil | 13473-90-0 | Aluminum Nitrate | 99551-14-1 | Oils, Mineral (aliphatic) |
| 7647-1-0 | Hydrochloric Acid | 8001-54-5 | Benzalkonium Chloride | 13478-10-10 | Ferrous Chloride | 105839-17-6 | Epoxidized Castor Oil |
| 7647-1-0 | Hydrogen Chloride | 8001-69-2 | Cod Liver Oil | 8002-3-7 | Peanut Oil | | |
| 7647-14-5 | Sodium Chloride | 8002-3-7 | Castor Oil | 8002-26-4 | Tall Oil | | |
| 7647-15-6 | Sodium Bromide | | | | | | |
| 7647-18-9 | Antimony Pentachloride | | | | | | |

Chemical Resistance Table: Maximum Service Temperatures for Derakane and Derakane Momentum™ Resins

| Chemical Environment | Concentration % | 411 °C/°F | 441 °C/°F | 470 °C/°F | 510A/C °C/°F | 510N °C/°F | 8084 °C/°F |
|--|------------------------------|-----------|-----------|-------------|--------------|-------------|------------|
| Acetaldehyde | 20 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Acetaldehyde | 100 | NR | NR | LS | NR | | NR |
| Acetic Acid | 0.5 - 25 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 65/150 |
| Acetic Acid | 26 - 50 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | |
| Acetic Acid | 51 - 75 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | |
| Acetic Acid | 76 - 85 | 45/110 | 45/110 | 45/110 | 45/110 | 45/110 | |
| Acetic Acid, Glacial | 100 | NR | NR | 40/100 | NR | NR | NR |
| Acetic Anhydride | 100 | NR | NR | 40/100 | NR | NR | NR |
| Acetic Acid/ Nitric Acid/ Chromic Oxide | 3/5/3 | 65/150 | 80/180 | 80/180 | 65/150 | 80/180 | 65/150 |
| Acetic Acid/ Sulfuric Acid | 20/10 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 65/150 |
| Acetone | 10 | | 80/180 | 80/180 | 80/180 | 80/180 | |
| Acetone | 20 | | 30/85 | 40/100 | | | |
| Acetone | 100 | NR | NR | LS | NR | NR | NR |
| Acetone, Fumes, no condensation or coalescence | fumes | | | 80/180 | 80/180 | 80/180 | |
| Acetonitrile | 20 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | |
| Acetonitrile | 100 | NR | NR | LS | NR | NR | NR |
| Acetonitrile, Fumes, no condensation or coalescence | fumes | | | 80/180 | 80/180 | 80/180 | |
| Acetyl Acetone | 20 | 40/100 | 40/100 | 50/120 | 40/100 | 50/120 | 40/100 |
| Acetyl Acetone | 100 | NR | NR | LS | NR | NR | NR |
| Acid Cleaner - 31% hydrochloric acid <2,8,9,13> | 31 | 65/150 | 70/160 | 80/180 <15> | 65/150 | 80/180 <15> | 65/150 |
| Acrolein (Acrylaldehyde) | 20 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | |
| Acrolein (Acrylaldehyde) | 100 | NR | NR | LS | NR | NR | NR |
| Acrylamide | 50 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Acrylic Acid <7> | 25 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Acrylic Acid | 100 | NR | NR | LS | NR | NR | NR |
| Acrylic Latex | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | |
| Acrylonitrile | 7 (max. solubility at 20°C.) | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | |
| Acrylonitrile | 100 | NR | NR | LS | NR | NR | NR |
| Acrylonitrile Latex dispersion <7> | 2 | 25/80 | 25/80 | 25/80 | 25/80 | 25/80 | 25/80 |
| Activated Carbon Beds, Water Treatment | | 80/180 | 100/210 | 100/210 | 80/180 | 100/210 | 65/150 |
| Adipic Acid (1.5 g sol. in water at 25C, sol. hot water) | 23 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | |
| Air (max. surface temperature of the FRP) <16> | | 180/360 | 180/360 | 200/392 | 160/320 | 160/320 | |
| Alachlore, Herbicide <4> | All | | | 40/100 | | | |
| Alcohol, Amyl | 100 | 50/120 | 60/140 | 65/150 | 50/120 | 60/140 | 50/120 |
| Alcohol, Butyl | 100 | 50/120 | 50/120 | 65/150 | 50/120 | 50/120 | NR |
| Alcohol, Ethyl | 95 | 25/80 | 25/80 | 40/100 | 25/80 | 25/80 | NR |
| Alcohol, Isodecyl | 100 | 50/120 | 65/150 | 80/180 | 50/120 | 65/150 | 50/120 |
| Alcohol, Propyl | 100 | 40/100 | 40/100 | 50/120 | 40/100 | 40/100 | NR |
| Alkaline Cleaner (see Sodium and Potassium Hydroxides) | | | | | | | |
| Alkaline Solutions: See sodium, potassium, and ammonium hydroxides, and carbonates | | | | | | | |
| Alkane Sulfonate, see Sodium Dodecylbenzene Sulfonate | | | | | | | |
| Alkyl (C8-C10) Dimethyl Amine | 100 | 80/180 | 95/200 | 100/210 | 80/180 | 95/200 | |
| Alkyl (C8-C18) Chloride | > 0.5 | 80/180 | 95/200 | 100/210 | 95/200 | 100/210 | |
| Alkyl Aryl Sulfonic Acid, see Alkyl Benzene Sulfonic Acid | | | | | | | |
| Alkyl Benzene Sulfonic Acid <6> | > 0.5 | 80/180 | 95/200 | 100/210 | 95/200 | 100/210 | |
| Alkyldiphenyloxide Disulfonate (Surfactant type: Anionic) | All | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | |

Chemical Resistance Table: Maximum Service Temperatures for Derakane and Derakane Momentum™ Resins—continued

| Chemical Environment | Concentration % | 411 °C/°F | 441 °C/°F | 470 °C/°F | 510A/C °C/°F | 510N °C/°F | 8084 °C/°F |
|---|-------------------|-----------|-----------|-----------|--------------|------------|------------|
| Alkyl Tollyl Trimethyl Ammonium Chloride | | 40/100 | 50/120 | 50/120 | 40/100 | 50/120 | |
| Allyl Alcohol | 100 | NR | NR | 25/80 | NR | NR | NR |
| Allyl Chloride | 100 | 25/80 | 25/80 | 25/80 | 25/80 | 25/80 | NR |
| Alpha-Oleum Sulfates | 100 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | |
| Alpha-Methylstyrene | 100 | 25/80 | 40/100 | 50/120 | 25/80 | 40/100 | NR |
| Alum | Sat'd | 100/210 | 120/250 | 120/250 | 100/210 | 120/250 | 80/180 |
| Alumina Hydrate | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Aluminum Chloride | Sat'd | 100/210 | 120/250 | 120/250 | 100/210 | 120/250 | 80/180 |
| Aluminum Chlorohydrate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Aluminum Chlorohydrate/ Hydrochloric Acid <9,10,12> | > 0.5 / <15 | 80/180 | 100/210 | 100/210 | 80/180 | 100/210 | 65/150 |
| Aluminum Chlorohydroxide | 50 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Aluminum Fluoride | All | 25/80 | 25/80 | 25/80 | 25/80 | 25/80 | 25/80 |
| Aluminum Hydroxide | 100 | 80/180 | 80/180 | 95/200 | 80/180 | 80/180 | 80/180 |
| Aluminum Nitrate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Aluminum Potassium Sulfate | Sat'd | 100/210 | 120/250 | 120/250 | 100/210 | 120/250 | 80/180 |
| Aluminum Sulfate | Sat'd | 100/210 | 120/250 | 120/250 | 100/210 | 120/250 | 80/180 |
| Aluminum Sulfate Reactor <10> | > 0.5 | 100/210 | 100/210 | | 100/210 | | |
| Amine Salts | All | 50/120 | 65/150 | 65/150 | 50/120 | 65/150 | |
| Amino Acids | All | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | |
| Ammonia | Liquified Gas | NR | NR | NR | NR | NR | NR |
| Ammonia Gas | 100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Ammonia Vapors (wet) | 40 vol-% | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | |
| Ammonia, Aqueous (see Ammonium Hydroxide) | | | | | | | |
| Ammonium Acetate | > 0.5 | 25/80 | 25/80 | 40/100 | 25/80 | 25/80 | NR |
| Ammonium Bicarbonate | 0.5 - 50 | 70/160 | 70/160 | 70/160 | 70/160 | 70/160 | 70/160 |
| Ammonium Bifluoride <1> | > 0.5 | 65/150 | 65/150 | 65/150 | | | 65/150 |
| Ammonium Bisulfite black liquor | | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | |
| Ammonium Bisulfite cooking liquor | | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | |
| Ammonium Bromate | 0.5 - 43 | 70/160 | 70/160 | 70/160 | 70/160 | 70/160 | 70/160 |
| Ammonium Bromide | 0.5 - 43 | 70/160 | 70/160 | 70/160 | 70/160 | 70/160 | 70/160 |
| Ammonium Carbonate | > 0.5 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 |
| Ammonium Chloride | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Ammonium Citrate | > 0.5 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 |
| Ammonium Fluoride <1> | > 0.5 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 |
| Ammonium Hydroxide | 0.5 - 5 | 80/180 | 80/180 | 65/150 | 80/180 | 65/150 | 80/180 |
| Ammonium Hydroxide | 6 - 20 | 65/150 | 65/150 | 40/100 | 65/150 | 40/100 | 65/150 |
| Ammonium Hydroxide | 30 (as NH3) | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Ammonium Hydroxide/ Ammonium Chloride/ Ammonium Carbonate <1> | 30 (as NH3)/ 35/5 | 40/100 | 40/100 | | 40/100 | 40/100 | 40/100 |
| Ammonium Lauryl Sulfate | 0.5 - 30 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 |
| Ammonium Ligno Sulfonate | 0.5 - 50 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 65/150 |
| Ammonium Molybdate | > 0.5 | 65/150 | | | | | 65/150 |
| Ammonium Nitrate | Sat'd | 100/210 | 120/250 | 120/250 | 105/220 | 120/250 | 80/180 |
| Ammonium Oxalate | > 0.5 | 65/150 | 65/150 | | | | |
| Ammonium Pentaborate | 0.5 - 12 | 50/120 | 50/120 | | | | 50/120 |
| Ammonium Perchlorate | 0.5 - 15 | 75/170 | | | | | |
| Ammonium Persulfate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Ammonium Phosphate, dibasic | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Ammonium Phosphate, monobasic | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Ammonium Polysulfide | > 0.5 | 50/120 | 50/120 | 65/150 | | | 50/120 |
| Ammonium Propionate | > 0.5 | 25/80 | 25/80 | 40/100 | 25/80 | 25/80 | NR |
| Ammonium Sulfate | Sat'd | 100/210 | 120/250 | 120/250 | 105/220 | 120/250 | 80/180 |
| Ammonium Sulfate/ Ethyl Alcohol/ Ethoxylate | 60/15/3 | 40/100 | 50/120 | 65/150 | 40/100 | 50/120 | 40/100 |
| Ammonium Sulfide (Bisulfide) | Sat'd | 50/120 | 50/120 | 50/120 | | | 50/120 |
| Ammonium Sulfite | Sat'd | 65/150 | 65/150 | 65/150 | 65/150 | | 65/150 |
| Ammonium Thiocyanate | 0.5 - 20 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Ammonium Thiocyanate | Sat'd | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | |

Chemical Resistance Table: Maximum Service Temperatures for Derakane and Derakane Momentum™ Resins—continued

| Chemical Environment | Concentration % | 411 °C/°F | 441 °C/°F | 470 °C/°F | 510A/C °C/°F | 510N °C/°F | 8084 °C/°F |
|--|--------------------|--------------|--------------|--------------|-----------------|---------------|---------------|
| Ammonium Thioglycolate | All | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | |
| Ammonium Thiosulfate | All | 60/140 | 60/140 | 60/140 | 60/140 | 60/140 | |
| Amyl Acetate | > 0.5 | 20/70 | 40/100 | 50/120 | | | |
| Amyl Alcohol | 100 | 50/120 | 60/140 | 65/150 | 50/120 | 60/140 | 50/120 |
| Amyl Alcohol, Vapor | 100 | 50/120 | 100/210 | 100/210 | 50/120 | 100/210 | |
| Amyl Chloride | 100 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | |
| Aniline | 20 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | |
| Aniline | 100 | NR | NR | 20/70 | NR | NR | NR |
| Aniline Hydrochloride | > 0.5 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | |
| Aniline Sulfate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | |
| Animal Fat | 100 | 80/180 | 100/210 | | | | |
| Anionic Surfactant | All | 40/100 | 50/120 | 50/120 | 40/100 | 50/120 | |
| Anionic/ Cationic Polymer Emulsions in Kerosene or Petroleum Distillates/Water | 0-50 | 40/100 | 50/120 | 50/120 | | | |
| Anodize (15% Sulfuric acid) | | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | |
| Antimony Pentachloride, for aqueous solutions see Hydrochlorid Acid | > 99 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Aqua Regia <6> | | | | | | | |
| Aromatic Naphtha/ Naphthalene/ Isopropanol | 60/5/10 | | 50/120 | 50/120 | | 50/120 | |
| Arsenic Acid | > 0.5 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | |
| Arsenic Acid/ Copper Sulfate/ Sodium Dichromate | 17/37/20 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | |
| Arsenic Pentoxide/ Copper Oxide/ Chromic Acid | 17/9/24 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Arsenious Acid | 19°Be | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 65/150 |
| Barium Acetate | > 0.5 | 80/180 | 80/180 | 80/180 | | 80/180 | |
| Barium Bromide | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Barium Carbonate (slurry) | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Barium Chloride | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Barium Cyanide | > 0.5 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 |
| Barium Hydroxide | > 0.5 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 |
| Barium Sulfate | Sat'd | 100/210 | 120/250 | 120/250 | 100/210 | 120/250 | 80/180 |
| Barium Sulfide | > 0.5 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | |
| Barley Solution <18> | > 0.5 | 75/170 | 75/170 | | | | |
| Beer <18> | > 0.5 | 50/120 | 50/120 | | | | |
| Beet Sugar Liquor <18> | > 0.5 | 80/180 | 80/180 | | | | |
| o-Benzoyl Benzoic Acid | All | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 65/150 |
| Benzaldehyde | 100 | NR | NR | 20/70 | NR | NR | NR |
| Benzalkonium Chloride | Dilute | 40/100 | 40/100 | | | | 40/100 |
| Benzene | 100 | NR | NR | 40/100 | NR | LS | NR |
| Benzene, 50°C/120°F | 100 | NR | NR | LS | NR | LS | NR |
| Benzene Sulfonic Acid <6> | > 0.5 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 |
| Benzene, Vapor | | 25/80 | 25/80 | 50/120 | NR | 25/80 | NR |
| Benzene/ Methyl Tertiary Butyl Ether | 80/20 | NR | NR | 40/100 | NR | LS | NR |
| Benzene/Ethyl Benzene/Toluene/ Trimethyl Benzene/ Xylene | All | NR | NR | 40/100 | NR | LS | NR |
| Benzene: Ethylbenzene | 33/67 | NR | 25/80 | 40/100 | NR | 25/80 | NR |
| Benzenesulfonyl Chloride | 100 | NR | NR | LS | NR | NR | NR |
| Benzoic Acid | Sat'd | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Benzyl Alcohol | 20 | 40/100 | 50/120 | 50/120 | 40/100 | 50/120 | 40/100 |
| Benzyl Alcohol | 100 | NR | 25/80 | 40/100 | NR | 25/80 | NR |
| Benzyl Chloride <2> | 100 | NR | NR | 40/100 | NR | NR | NR |
| Benzyltrimethylammonium Chloride | 60 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | |
| Black Liquor (Pulp & Kraft Mill) <1,2> | Thin | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | |
| Black Liquor (Pulp & Kraft Mill) Thick, Heavy <1,2> | Thick | 95/200 | 105/220 | 105/220 | 105/220 | 105/220 | |
| Black Liquor recovery, furnace gases <6,16> | | 165/325 | 175/350 | 205/400 | 165/325 | 175/350 | |

Chemical Resistance Table: Maximum Service Temperatures for Derakane and Derakane Momentum™ Resins—continued

| Chemical Environment | Concentration % | 411 °C/°F | 441 °C/°F | 470 °C/°F | 510A/C °C/°F | 510N °C/°F | 8084 °C/°F |
|---|-----------------|-----------|-----------|---------------|--------------|------------|------------|
| Blow Down (Non-Condensable Gases from Pulp Digester, i.e. Dimethyl Sulfide and Mercaptanes) <8> | | 120/250 | 120/250 | 120/250 | 120/250 | 120/250 | |
| Borax | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Boric Acid | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Boron Trichloride Scrubbing | > 0.5 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | |
| Brake Fluids | 100 | 50/120 | 50/120 | 50/120 <7> | 50/120 | 50/120 | 50/120 |
| Brass Plating Solution: 3% Copper, 1% Zinc, 5.6% Sodium Cyanides, 3.0% Sodium Carbonate <1> | | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Brine Mixture (0.4% MgSO ₄ , 9.5% NaCl, 5.0% Na ₂ SO ₄ , 2.0% K ₂ SO ₄ , 7% CaSO ₄ ·2H ₂ O, 3% Na ₂ SO ₃ ·9H ₂ O, pH 7) | | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Brine, Chlorinated, see Chlorinated Brine | | | | | | | |
| Brine, Salt | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Brine, Salt | Sat'd | 100/210 | 120/250 | 120/250 | 110/230 | 120/250 | 80/180 |
| Brominated Phosphate Ester | > 0.5 | | | 50/120 | | | |
| Bromine, Dry Gas | 100 | 40/100 | 40/100 | 40/100 <7> | 40/100 | 40/100 | 40/100 |
| Bromine in Water (no pure Bromine phase) | < Sat'd | | | 80/180 | | | |
| Bromine, Liquid | 100 | NR | NR | NR | NR | NR | NR |
| Bromine, Wet Gas | 100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Brown Stock | | 95/200 | 95/200 | 80/180 | 95/200 | 80/180 | |
| Bunker C Fuel Oil (heavy fraction) | 100 | 100/210 | 105/220 | 105/220 | 100/210 | 105/220 | 65/150 |
| Butadiene (Gas) <2> | 100 | 45/110 | 45/110 | 45/110 | 45/110 | 45/110 | 45/110 |
| Butane | 100 | 60/140 | 60/140 | 60/140 | 60/140 | 60/140 | 60/140 |
| Butanol | 100 | 50/120 | 50/120 | 65/150 | 50/120 | 50/120 | NR |
| Butyl Acetate | 100 | NR | 25/80 | 30/90 | NR | 25/80 | NR |
| Butyl Acrylate | 100 | NR | NR | 25/80 | NR | NR | NR |
| Butyl Alcohol | 100 | 50/120 | 50/120 | 65/150 | 50/120 | 50/120 | NR |
| Butyl Alcohol/ Benzene | 93/4 | NR | 40/100 | 50/120 | NR | 40/100 | NR |
| Butyl Amine | 100 | NR | NR | LS | NR | NR | NR |
| Butyl Benzoate | 70 | | | 40/100 | | | |
| Butyl Benzyl Phthalate | 100 | 80/180 | 100/210 | 100/210 | 80/180 | 100/210 | |
| Butyl Chloride | 0.1-100 | NR | LS | 25/80 | NR | LS | NR |
| Butyl Hypochlorite | 98 | NR | NR | NR | NR | NR | NR |
| Butyl Stearate (5% in Mineral Spirits) | | 40/100 | 40/100 | | | | |
| Butylene Glycol | 100 | 70/160 | 80/180 | 80/180 | 70/160 | 80/180 | |
| Butylene Oxide | 100 | NR | NR | LS | NR | NR | NR |
| Butyraldehyde | 100 | NR | NR | 40/100 | NR | NR | NR |
| Butyric Acid | 0.5 - 50 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | |
| Butyric Acid | 100 | 25/80 | 50/120 | 50/120 | 25/80 | 50/120 | |
| Cadmium Chloride | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Cadmium Cyanide Plating Bath, (3% Cadmium Oxide, 10% Sodium Cyanide, 1.2% Sodium Hydroxide) <1> | | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Calcium Bisulfite | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Calcium Bromide | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Calcium Carbonate (slurry) | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Calcium Chlorate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Calcium Chloride | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Calcium Chloride | Sat'd | 100/210 | 120/250 | 120/250 | 105/220 | 120/250 | 80/180 |
| Calcium Hydroxide <1> | 100 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Calcium Hydroxide Slurry <1> | 0.5 - 25 | 80/180 | 65/150 | 40/100 | 80/180 | 65/150 | 65/150 |
| Calcium Hypochlorite <2,3,5,9> | All | 80/180 | 80/180 | 40/100 | 80/180 | 80/180 | 80/180 |
| Calcium Nitrate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Calcium Sulfate Slurry | All | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |

Chemical Resistance Table: Maximum Service Temperatures for Derakane and Derakane Momentum™ Resins—continued

| Chemical Environment | Concentration % | 411 °C/°F | 441 °C/°F | 470 °C/°F | 510A/C °C/°F | 510N °C/°F | 8084 °C/°F |
|---|-----------------|-----------|-----------|---------------------|--------------|------------|------------|
| Calcium Sulfite | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Cane Sugar Liquor & Sweetwater <18> | All | 80/180 | 80/180 | | | | |
| Capric Acid (Decanoic Acid) <4> | > 0.5 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Capric Acid/ Lauric Acid/ Fatty Acids (C10-C18) | 70/15/15 | 80/180 | 80/180 | 95/200 | 80/180 | 80/180 | 80/180 |
| Caproic Acid (Hexanoic Acid) | 100 | 25/80 | 50/120 | 50/120 | 25/80 | 50/120 | 25/80 |
| Caprolactam | 0-50 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Caprolactam | 100 | NR | NR | LS | NR | NR | NR |
| Caprolactone | 100 | NR | NR | LS | NR | NR | NR |
| Caprylic Acid (Octanoic Acid) | 100 | 80/180 | 100/210 | 100/210 | 80/180 | 100/210 | |
| Caramel <18> | All | 50/120 | 50/120 | | | | |
| Carbon Dioxide Gas <16> | All | 165/325 | 175/350 | 205/400 | 165/325 | 175/350 | 80/180 |
| Carbon Disulfide | 100 | NR | NR | LS | NR | NR | NR |
| Carbon Disulfide Fumes, no condensation or coalescence | All | 40/100 | 65/150 | 65/150 | 40/100 | 65/150 | NR |
| Carbon Monoxide Gas <16> | All | 165/325 | 175/350 | 205/400 | 165/325 | 175/350 | 80/180 |
| Carbon Tetrachloride | 100 | 65/150 | 80/180 | 80/180 | 65/150 | 80/180 | |
| Carbon Tetrachloride, vapor | All | 80/180 | 95/200 | 95/200 | 80/180 | 95/200 | |
| Carboxyethyl Cellulose | 10 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 |
| Cashew Nut Oil | 100 | 65/150 | 65/150 | | | | |
| Castor Oil (Ricinus Oil) | 100 | 70/160 | 70/160 | 70/160 | 70/160 | 70/160 | 70/160 |
| Cationic/Anionic Polymer Emulsions in Kerosene or Petroleum Distillates/Water | 0-50 | 40/100 | 50/120 | 50/120 | | | |
| Caustic (See Sodium Hydroxide) | | | | | | | |
| Cetyl alcohol (hexadecanol) | 100 | 65/150 | 80/180 | 80/180 | 65/150 | 80/180 | 50/120 |
| Chlordimeform Insecticide | 100 | 25/80 | 50/120 | 50/120 | 25/80 | 50/120 | |
| Chloric Acid | All | 25/80 | 25/80 | 25/80 | 25/80 | 25/80 | 25/80 |
| Chlorinated Brine, pH < 2.5 <8> | Sat'd Cl2 | 80/180 | 80/180 | 95/200 | 80/180 | 95/200 | |
| Chlorinated Brine, pH > 9 (Hypochlorite), <2,3,9> | Sat'd Cl2 | 80/180 | 80/180 | 65/150 | 80/180 | 65/150 | |
| Chlorinated Brine, pH 2.5-9<6> | Sat'd Cl2 | | | | | | |
| Chlorinated Pulp <6> | All | 80/180 | 90/190 | 95/200 | 90/190 | 95/200 | |
| Chlorinated Solvent Recovery (See specific solvents) | | | | | | | |
| Chlorinated Wax | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | |
| Chlorination Washer (Hoods & Vent Systems) | Vapors, All | 80/180 | 95/200 | 95/200 | 80/180 | 95/200 | 65/150 |
| Chlorine Dioxide Generator Effluent, R2 System | | 65/150 | 80/180 | 80/180 | 65/150 | 80/180 | 65/150 |
| Chlorine Dioxide Scrubber <1,2,3> | | 75/170 | 75/170 | | 75/170 | | |
| Chlorine Dioxide, Chlorine (Bleaching Solution, with or without Pulp) <6> | All | 80/180 | 90/190 | 95/200 | 90/190 | 95/200 | |
| Chlorine Dioxide, No Chlorine (Bleaching Solution, with or without Pulp) <6> | All | 80/180 | 90/190 | 95/200 | 90/190 | 95/200 | |
| Chlorine Dioxide, Solution Storage | Sat'd | 20/70 | 20/70 | 20/70 | 20/70 | 20/70 | |
| Chlorine Water (See Chlorinated brine) | | | | | | | |
| Chlorine, dry gas <2,8,17> | 100 | 80/180 | 90/190 | 100/210 | 80/180 | 100/210 | 65/150 |
| Chlorine, wet gas <2,8,17> | 100 | 80/180 | 90/190 | 100/210 | 80/180 | 100/210 | 65/150 |
| Chlorine/ Chlorine Dioxide/ Sulfur Dioxide | 0.8/2/0.7 | 95/200 | 95/200 | 95/200 | 95/200 | 95/200 | 80/180 |
| Chlorine-Hydrogen Chloride, with aqueous condensate, <8,9,12,16> | 8-10% HCl | 80/180 | 100/210 | 100/210, 175/350 LS | 80/180 | 100/210 | 80/180 |
| Chloroacetic Acid | 0-25 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | |
| Chloroacetic Acid | 26-50 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | |
| Chloroacetic Acid | 51-79 | 25/80 | 25/80 | 30/90 | 25/80 | 30/90 | |
| Chloroacetic Acid | 80-85 | 25/80 | 25/80 | 25/80 | 25/80 | 25/80 | |
| Chloroacetic Acid | 86-100 | NR | NR | LS | NR | NR | NR |
| Chlorobenzene | 100 | NR | 25/80 | 40/100 | NR | 25/80 | NR |

Chemical Resistance Table: Maximum Service Temperatures for Derakane and Derakane Momentum™ Resins—continued

| Chemical Environment | Concentration % | 411 °C/°F | 441 °C/°F | 470 °C/°F | 510A/C °C/°F | 510N °C/°F | 8084 °C/°F |
|---|-----------------|-----------|-----------|-----------|--------------|------------|------------|
| Chlorofluorocarbon (CFC): R-11 (Trichlorofluoromethane), R-12 (Dichlorodifluoromethane) | 100 | 25/80 | 40/100 | 40/100 | 25/80 | 40/100 | NR |
| Chlorofluorocarbon (CFC): CFC-113 (Trichlorotrifluoroethane) | | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | |
| Chloroform | 100 | NR | NR | LS | NR | NR | NR |
| Chloroform, Fumes, no condensation or coalescence | fumes | | | 80/180 | 80/180 | 80/180 | |
| Chloroform/ Dichloroethane/ Methylene Chloride | All | NR | NR | LS | NR | NR | NR |
| Chloropentane (1 to 5 Cl) | 100 | 40/100 | 50/120 | 55/130 | 40/100 | 50/120 | NR |
| Chloropicrin (Nitrochloroform) | 100 | NR | NR | LS | NR | NR | NR |
| Chloropyridine (tetra) | 100 | 25/80 | 50/120 | 50/120 | 25/80 | 50/120 | NR |
| Chlorosulfonic Acid | 10 | NR | NR | NR | NR | NR | NR |
| Chlorotoluene | 100 | 25/80 | 40/100 | 40/100 | 25/80 | 40/100 | NR |
| N-Chloro-o-Tolyl (insecticide emulsion) | 10 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | |
| Choline Chloride | > 0.5 | 50/120 | 65/150 | 65/150 | 50/120 | 65/150 | 50/120 |
| Chrome Bath, 19% Chromic Acid with Sodium Fluorosilicate and Sulfate <1> | | 50/120 | 50/120 | 65/150 | 50/120 | 50/120 | 50/120 |
| Chrome Reduction Process <6> | 25 | 90/190 | | | 90/190 | | |
| Chromic Acid | 0.5 - 10 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 |
| Chromic Acid | 11 - 20 | 50/120 | 65/150 | 65/150 | 65/150 | 65/150 | 50/120 |
| Chromic Acid | 30 | LS | LS | LS | LS | LS | |
| Chromic Acid | 40 | NR | NR | LS | NR | NR | |
| Chromic Acid/ Sodium Metabisulfite | 15/45 | 50/120 | 65/150 | 65/150 | 65/150 | 65/150 | 50/120 |
| Chromic Acid: Nitric Acid Mixture | 5/10 | 40/100 | 50/120 | 65/150 | 40/100 | 40/100 | 40/100 |
| Chromic Acid: Sulfuric Acid Mixture (Maximum Total Concentration 10%) | 10 | 50/120 | 65/150 | 65/150 | 50/120 | 65/150 | 50/120 |
| Chromium Plate, Electroplating with a Salt Solution (with Sulfuric Acid: Not Recommended) | | 55/130 | 55/130 | 55/130 | 55/130 | 55/130 | 55/130 |
| Chromium Sulfate (water soluble forms) | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Citric Acid | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 65/150 |
| Clopidol <4> | All | | | 40/100 | | 40/100 | |
| Cobalt Chloride | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Cobalt Chloride Reactor (Hydrochloric/Sulfuric Acid) <10> | 40 | | 95/200 | | | | |
| Cobalt Citrate | 12 | 80/180 | 80/180 | 80/180 | | | 50/120 |
| Cobalt Nitrate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Coconut Oil <18> | 100 | 80/180 | 95/200 | 95/200 | 80/180 | 95/200 | 80/180 |
| Cod-liver Oil <18> | 100 | 40/100 | 40/100 | | | | |
| Copper Chloride | Sat'd | 100/210 | 120/250 | 120/250 | 105/220 | 120/250 | 80/180 |
| Copper Chloride/ Ammonium Chloride/ Ammonium Hydroxide, see Ammonium Hydroxide | 26/5/2 | | | | | | |
| Copper Cyanide | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Copper Cyanide Plating Bath (10.5% Copper and 14% Sodium Cyanides; 6% Rochelle Salts) | | 70/160 | 70/160 | 70/160 | 70/160 | 70/160 | 70/160 |
| Copper Cyanide, Potassium Cyanide, Potassium Hydroxide <1> | 7:2.5:2% | 65/150 | 40/100 | 25/80 | 65/150 | 25/80 | |
| Copper Matte Dipping Bath, (30% FeCl ₃ , 19% Hydrochloric acid) <8,9,13> | | 80/180 | 95/200 | 95/200 | 95/200 | 95/200 | 80/180 |
| Copper Nitrate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Copper Plating Solution (45% Cu(BF ₄) ₂ ; 19% Copper Sulfate; 8% Sulfonic) <1> | | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Copper Sulfate | Sat'd | 100/210 | 120/250 | 120/250 | 100/210 | 120/250 | 80/180 |
| Corn Oil <18> | 100 | 80/180 | 100/210 | 100/210 | 80/180 | 100/210 | 65/150 |
| Corn Starch <18> | Slurry | 100/210 | 100/210 | | | | |

Chemical Resistance Table: Maximum Service Temperatures for Derakane and Derakane Momentum™ Resins—continued

| Chemical Environment | Concentration % | 411 °C/°F | 441 °C/°F | 470 °C/°F | 510A/C °C/°F | 510N °C/°F | 8084 °C/°F |
|---|-----------------|-----------|-----------|-----------|--------------|------------|------------|
| Corn Sugar/Syrup (Glucose) <18> | All | 80/180 | 80/180 | | | | |
| Cottonseed Oil <18> | 100 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 65/150 |
| Crude Oil, Sweet, Sour | 100 | 100/210 | 120/250 | 120/250 | 100/210 | 120/250 | 65/150 |
| Cumene | 100 | 25/80 | 50/120 | 50/120 | 25/80 | 50/120 | 25/80 |
| Cumene/ Toluene/ Xylene | All | 25/80 | 40/100 | 50/120 | 25/80 | 50/120 | NR |
| Curpic Chloride, see Copper Chloride | | | | | | | |
| Cyanide Disposal (Reaction with Hypo (gives Sodium Thiosulfite)) | | | 40/100 | 40/100 | | | |
| Cyanuric Acid | All | 25/80 | 40/100 | 50/120 | 25/80 | 40/100 | |
| Cyanuric Chloride <4> | All | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 |
| Cyclohexane | 100 | 50/120 | 65/150 | 65/150 | 50/120 | 65/150 | |
| Cyclohexylamine | 100 | | LS | 40/100 | | LS | |
| Cyclopentane | 100 | 40/100 | 45/110 | 50/120 | 40/100 | 45/110 | |
| Dalapon, Sodium salt (Also 2,2-dichloropropionic acid and sodium salt) | 100 | NR | 25/80 | 40/100 | NR | 25/80 | NR |
| Decanoic Acid <4> | > 0.5 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Decanol | 100 | 50/120 | 65/150 | 80/180 | 50/120 | 65/150 | |
| Deionized Water <2> | 100 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Demineralized Water <2> | 100 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| De-waxed Paraffin Distillate | 100 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 65/150 |
| Diacetone Alcohol | 10 | | 40/100 | 50/120 | 40/100 | 50/120 | |
| Diacetone Alcohol | 100 | NR | NR | LS | NR | NR | NR |
| Diallyl Phthalate | All | 80/180 | 100/210 | 100/210 | | 100/210 | 65/150 |
| Diammonium Phosphate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Dibasic Acid (51-61% Glutaric Acid, 18-28% Succinic Acid, 15-25% Adipic Acid, 2% Nitric Acid) | > 0.5 - 50 | 80/180 | 95/200 | 95/200 | 80/180 | 95/200 | 80/180 |
| Dibromonitrilo-Propionamide | 100 | NR | 25/80 | 40/100 | NR | 25/80 | NR |
| Dibromophenol | 100 | NR | 40/100 | 40/100 | NR | 40/100 | NR |
| Dibromopropane | 100 | NR | 25/80 | 40/100 | NR | 25/80 | NR |
| Dibromopropanol | 100 | | | 40/100 | | | |
| Dibutyl Carbitol (diethylene glycol dibutyl ether) | 100 | 25/80 | 40/100 | 40/100 | 25/80 | 40/100 | |
| Dibutyl Ether | 100 | 25/80 | 50/120 | 80/180 | | 65/150 | |
| Dibutyl Sebacate | 100 | 50/120 | 65/150 | 65/150 | | 65/150 | |
| Dibutyl Phthalate | 100 | 80/180 | 80/180 | 100/210 | | 80/180 | |
| 2,4-Dichlorophenoxyacetic Acid (Acid, Salts, Esters and Formulations) <4> | | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | |
| Dichloroacetic Acid, see Chloroacetic Acid | | | | | | | |
| Dichlorobenzene (ortho and para) | 100 | NR | 40/100 | 50/120 | NR | 40/100 | NR |
| Dichloroethane | 100 | NR | NR | 25/80 | NR | NR | NR |
| Dichloroethylene | 100 | NR | NR | LS | NR | NR | NR |
| Dichloromethane (Methylene Chloride) | 100 | NR | NR | LS | NR | NR | NR |
| Dichloropropane | 100 | NR | 25/80 | 40/100 | NR | 25/80 | NR |
| Dichloropropene | 100 | NR | NR | 25/80 | NR | NR | NR |
| Dichloropropionic Acid | 100 | NR | 25/80 | 40/100 | NR | 25/80 | NR |
| Dichlorotoluene | 100 | 25/80 | 50/120 | 50/120 | 25/80 | 50/120 | NR |
| Diesel Fuel | 100 | 80/180 | 100/210 | 100/210 | 80/180 | 100/210 | 65/150 |
| Diethanolamine | 100 | 50/120 | 50/120 | 65/150 | 50/120 | 50/120 | |
| Diethanolamine/ Ethanolamine | 80/20 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | |
| Diethyl Carbonate | 100 | NR | 25/80 | 40/100 | NR | 25/80 | NR |
| Diethyl Ether | 100 | NR | NR | NR | NR | NR | NR |
| Diethyl Formamide | 20 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | NR |
| Diethyl Formamide | 100 | NR | LS | 40/100 | NR | LS | NR |
| Diethyl Hydroxylamine | 100 | NR | NR | LS | NR | NR | |
| Diethyl Ketone | 20 | 40/100 | 45/110 | 50/120 | 40/100 | 40/100 | 40/100 |
| Diethyl Ketone | 100 | NR | NR | 25/80 | NR | NR | NR |
| Diethyl Sulfate | 100 | 40/100 | 50/120 | 50/120 | 40/100 | 50/120 | |
| Diethylamine | 20 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | NR |

Chemical Resistance Table: Maximum Service Temperatures for Derakane and Derakane Momentum™ Resins—continued

| Chemical Environment | Concentration % | 411 °C/°F | 441 °C/°F | 470 °C/°F | 510A/C °C/°F | 510N °C/°F | 8084 °C/°F |
|---|-----------------|-----------|-----------|------------|--------------|------------|------------|
| Diethylamine | 100 | NR | NR | LS | NR | NR | NR |
| Diethylaminoethanol | 100 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | 40/100 |
| Diethylbenzene | 100 | 40/100 | 65/150 | 65/150 | 40/100 | 65/150 | NR |
| Diethylene Glycol | 100 | 80/180 | 100/210 | 100/210 | 80/180 | 100/210 | 80/180 |
| Diethylene Glycol Dimethylether | 20 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | NR |
| Diethylene Glycol Dimethylether | 100 | NR | NR | 25/80 | NR | NR | NR |
| Diethylene Glycol n-Butyl Ether also called Ethanol,2-(2-butoxy-ethoxy)- ; CAS N°112-34-5 | 100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | NR |
| Diethylene Glycol Methyl Ether CAS N°111-77-3 | 100 | NR | NR | LS | NR | NR | NR |
| Diethylenetriaminepentaacetic acid | All | 40/100 | 50/120 | 50/120 | 50/120 | 50/120 | |
| Diethylenetriaminepentaacetic acid, sodium salt | 40 | 40/100 | 50/120 | 50/120 | 50/120 | 50/120 | |
| Di-2-Ethylhexyl Phosphoric Acid (DEHPA) in Kerosene | 20 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | |
| Diglycolamine (Aminoethoxyethanol) | 20 | 40/100 | 50/120 | 50/120 | 40/100 | 50/120 | 40/100 |
| Diglycolamine (Aminoethoxyethanol) | 50 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Diglycolamine (Aminoethoxyethanol) | 100 | NR | NR | LS | NR | NR | NR |
| Diisobutyl Ketone | 100 | NR | 50/120 | 50/120 | NR | 50/120 | NR |
| Diisobutyl Phthalate | 100 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | |
| Diisobutylene | 100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 25/80 |
| Diisonoyl Phthalate | 100 | 65/150 | 100/210 | 100/210 | 65/150 | 100/210 | 65/150 |
| Diisopropanolamine | 100 | 50/120 | 50/120 | 65/150 | 50/120 | 50/120 | 40/100 |
| Dimethyl Acetamide | 20 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | NR |
| Dimethyl Acetamide | 100 | NR | NR | LS | NR | NR | NR |
| Dimethyl Acetamide, Fumes, no condensation or coalescence | fumes | | | 80/180 | 80/180 | 80/180 | |
| Dimethyl Amine | 20 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Dimethyl Amine | 40 | LS | LS | LS | LS | LS | NR |
| Dimethylammonium Hydrochloride (Dimethylamine HCl, DMA-HCl) | 70 | 40/100 | 40/100 | 50/120 <7> | 40/100 | 40/100 | 40/100 |
| 2,4-D, Dimethylamine salt | 67 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | |
| Dimethyl Aniline | 100 | NR | LS | 40/100 | NR | 25/80 | LS |
| Dimethylcarbonate | 100 | NR | NR | NR | NR | NR | NR |
| Dimethylethanolamine | 20 | 50/120 | 50/120 | 60/140 | | | |
| Dimethylethanolamine | 100 | 25/80 | 30/85 | 40/100 | 25/80 | 30/85 | NR |
| Dimethylformamide | 20 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | |
| Dimethylformamide | 100 | NR | NR | LS | NR | NR | NR |
| Dimethylformamide, Fumes, no condensation or coalescence | fumes | | | 80/180 | 80/180 | 80/180 | |
| Dimethylformamide/ Acetonitrile/ Methanol | 26/9/7 | NR | NR | LS | NR | NR | NR |
| Dimethyl Morpholine | 100 | NR | 25/80 | 50/120 | NR | 25/80 | NR |
| Dimethyl Phthalate | 100 | 65/150 | 80/180 | 80/180 | 65/150 | 80/180 | |
| Dimethyl Sulfate | 20 | 40/100 | 50/120 | 50/120 | 40/100 | 50/120 | 40/100 |
| Dimethyl Sulfate | 100 | NR | LS | LS | NR | NR | NR |
| Dimethyl Sulfide | 100 | NR | LS | 25/80 | NR | 25/80 | NR |
| Dimethyl Sulfoxide (DMSO) | 20 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Dimethyl Sulfoxide (DMSO) | 100 | NR | LS | LS | NR | NR | NR |
| 2,2-Dimethyl Thiazolidine | 1 | 65/150 | 80/180 | 80/180 | 65/150 | 80/180 | |
| Dimethyl Tin Dichloride / Methyl Tin Tri-chloride (90/10) in aqueous solution <7> | 50 | | | 45/110 | | | |
| Diocyl Phthalate | 100 | 65/150 | 100/210 | 100/210 | 65/150 | 100/210 | 65/150 |
| Diphenylmethane-4,4-Diisocyanate (MDI) | 100 | NR | NR | NR | NR | NR | NR |
| Diphenyl Oxide (Diphenyl Ether, Phenyl Ether) | 100 | 25/80 | 40/100 | 50/120 | 25/80 | 50/120 | NR |
| Dipotassium phosphate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Dipropylene Glycol | 100 | 80/180 | 100/210 | 100/210 | 80/180 | 100/210 | 65/150 |

Chemical Resistance Table: Maximum Service Temperatures for Derakane and Derakane Momentum™ Resins—continued

| Chemical Environment | Concentration % | 411 °C/°F | 441 °C/°F | 470 °C/°F | 510A/C °C/°F | 510N °C/°F | 8084 °C/°F |
|--|-----------------|-----------|-----------|-----------|--------------|------------|------------|
| Dipropylene Glycol Methyl Ether, Propanol, (2-Methoxy-methylethoxy)- ; CAS 34590-94-8 | 20 | 40/100 | 50/120 | 65/150 | 50/120 | 65/150 | 40/100 |
| Dipropylene Glycol Methyl Ether , Propanol, (2-Methoxy-methylethoxy)- ; CAS 34590-94-8 | 100 | NR | LS | 20/70 | NR | NR | NR |
| Dishwashing Detergent in Solution <14> | All | 80/180 | 80/180 | 65/150 | 80/180 | 65/150 | 80/180 |
| Distilled Water <2> | 100 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Divinylbenzene | 100 | 40/100 | 50/120 | 50/120 | 40/100 | 50/120 | NR |
| Dodecanol (Lauryl Alcohol) | 100 | 65/150 | 80/180 | 80/180 | 65/150 | 80/180 | 50/120 |
| Dodecene | 100 | 65/150 | 80/180 | 80/180 | 65/150 | 80/180 | 50/120 |
| Dodecyl Benzene Sulfonic Acid <6> | 100 | 80/180 | 95/200 | 100/210 | 95/200 | 100/210 | |
| Dodecyl Benzene Sulfonic Acid: Sulfuric Acid: Water: Oil | 85:10:4:1 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 |
| Dodecyl dimethylamine | 100 | 80/180 | 95/200 | 100/210 | 80/180 | 95/200 | |
| Dodecyl mercaptan | 100 | 80/180 | 95/200 | 100/210 | 80/180 | 95/200 | |
| DOWTHERM* Heat Transfer Agent | 100 | 50/120 | 65/150 | 65/150 | 50/120 | 65/150 | |
| Epichlorohydrin | 100 | LS | LS | 25/80 | NR | NR | NR |
| Epoxidized Castor Oil | 100 | 40/100 | 40/100 | | | | 40/100 |
| Epoxidized Soybean Oil | 100 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 |
| Esters, Fatty Acid | 100 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 65/150 |
| Ethanol (Ethyl Alcohol) | 10 | 50/120 | 50/120 | 65/150 | 50/120 | 50/120 | 50/120 |
| Ethanol (Ethyl Alcohol) | 50 | 40/100 | 40/100 | 65/150 | 40/100 | 40/100 | NR |
| Ethanol (Ethyl Alcohol) | 90-95 | 25/80 | 25/80 | 40/100 | 25/80 | 25/80 | NR |
| Ethanol (Ethyl Alcohol) | 100 | NR | LS | 40/100 | NR | 25/80 | NR |
| Ethanol, Fumes, no condensation or coalescence | fumes | 65/150 | 65/150 | 80/180 | 80/180 | 80/180 | 65/150 |
| Ethanol/ Ethylacetate/ Methanol/ DMF | 35/29/10/10 | NR | NR | LS | NR | NR | NR |
| Ethanolamine | 20 | 40/100 | 45/110 | 50/120 | 40/100 | 50/120 | |
| Ethanolamine | 100 | 25/80 | 30/90 | 40/100 | 25/80 | 30/90 | NR |
| Ethephon | 100 | | 40/100 | 40/100 | | | |
| Ethoxy Acetic Acid | 10 | | 40/100 | 40/100 | | 40/100 | |
| Ethoxy Acetic Acid | 100 | NR | NR | LS | NR | NR | NR |
| Ethoxylated Alcohol, C12-C14 | 100 | 25/80 | 40/100 | 50/120 | 25/80 | 40/100 | |
| Ethoxylated Alkyl Amines, C12 and higher | 100 | 25/80 | 40/100 | 50/120 | 25/80 | 40/100 | |
| Ethoxylated Nonyl Phenol | 100 | NR | LS | 40/100 | NR | LS | NR |
| Ethyl Acetate | 100 | NR | LS | 25/80 | NR | LS | NR |
| Ethyl Acetate, Fumes, no condensation or coalescence | fumes | | | 80/180 | 80/180 | 80/180 | |
| Ethyl Acetate/ Sodium Hydroxide <1,2> | 4/0-50 | 50/120 | 50/120 | 40/100 | 50/120 | 40/100 | |
| Ethyl Acrylate | 100 | NR | LS | 25/80 | NR | 20/70 | NR |
| Ethyl Amine | 20 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Ethyl Amine | 70 | NR | NR | LS | NR | NR | NR |
| Ethyl Benzyl Chloride <2> | 100 | NR | NR | 40 | NR | NR | NR |
| Ethyl Bromide | 100 | NR | LS | LS | NR | LS | NR |
| Ethyl Chloride | 100 | NR | LS | 25/80 | NR | 25/80 | NR |
| Ethyl Ether | 100 | NR | NR | NR | NR | NR | NR |
| Ethyl Silicate | 100 | | | 40/100 | | | |
| Ethyl Sulfate | 100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| 2-Ethylhexyl Alcohol | 100 | 65/150 | 70/160 | 80/180 | 70/160 | 80/180 | 50/120 |
| Ethyl-3-Ethoxy Propionate | 100 | NR | LS | 25/80 | NR | LS | NR |
| Ethylbenzene | 100 | 25/80 | 40/100 | 50/120 | 25/80 | 40/100 | |
| Ethylbenzene: Benzene | 67/33 | NR | 25/80 | 40/100 | NR | 25/80 | NR |
| Ethylene Chloride (See Dichloroethane) | | | | | | | |
| Ethylene Chlorohydrin | 20 | 40/100 | 50/120 | 65/150 | 50/120 | 65/150 | 40/100 |
| Ethylene Chlorohydrin | 100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | NR |
| Ethylene Diamine | 20 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Ethylene Diamine | 100 | NR | NR | LS | NR | NR | NR |
| Ethylene Dibromide | 100 | NR | NR | NR | NR | NR | NR |
| Ethylene Dichloride (See Dichloroethane) | | | | | | | |

Chemical Resistance Table: Maximum Service Temperatures for Derakane and Derakane Momentum™ Resins—continued

| Chemical Environment | Concentration % | 411 °C/°F | 441 °C/°F | 470 °C/°F | 510A/C °C/°F | 510N °C/°F | 8084 °C/°F |
|---|-----------------|-----------|-----------|-----------|--------------|------------|------------|
| Ethylene Dichloride/Ethylene Dibromide/ Tetra Ethyl Lead (above water solubility) | 5:5:5 | NR | NR | LS | NR | NR | NR |
| Ethylene Glycol | 100 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 65/150 |
| Ethylene Glycol based Coolants | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | |
| Ethylene Glycol n-Butylether: Ethanol, 2-butoxy; CAS N°111-76-2 | 20 | 40/100 | 50/120 | 65/150 | 50/120 | 65/150 | 40/100 |
| Ethylene Glycol n-Butylether: Ethanol, 2-butoxy; CAS N°111-76-2 | 100 | 40/100 | 40/100 | 65/150 | 40/100 | 40/100 | NR |
| Ethylene Glycol/Sulfuric Acid | 0-40/0-10 | 65/150 | 80/180 | 80/180 | 80/180 | 80/180 | |
| Ethylene Oxide | 100 | NR | NR | NR | NR | NR | NR |
| Ethylenediaminetetraacetic Acid (EDTA) | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Ethylsulfonic acid, sodium salt <6> | All | 70/160 | 70/160 | 70/160 | 70/160 | 70/160 | |
| Eucalyptus Oil <18> | 100 | 60/140 | 60/140 | 60/140 | 60/140 | 60/140 | |
| Fatty Acid/ Sterol/ Triglyceride | All | 100/210 | 120/250 | 120/250 | 100/210 | 120/250 | 65/150 |
| Fatty Acid/ Sulfuric Acid <10> | 5:2 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | |
| Fatty Acids | All | 100/210 | 120/250 | 120/250 | 100/210 | 120/250 | 65/150 |
| Ferric Acetate | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | |
| Ferric Chloride | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Ferric Chloride: Ferrous Chloride | 5:20 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Ferric Chloride/ Ferrous Chloride/ Hydrochloric Acid | 48/0.2/0.2 | 100/210 | 105/220 | 105/220 | 100/210 | 105/220 | 80/180 |
| Ferric Chloride/ Hydrochloric Acid <8,9,12> | 0-29/1-20 | 80/180 | 105/220 | 105/220 | 80/180 | 105/220 | 80/180 |
| Ferric or Ferrous Sulfate/ Sulfuric Acid | 0-40/0-25 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Ferric Sulfate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Ferrous Chloride | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Ferrous Chloride/ Hydrochloric Acid <8,9,12> | 0-29/1-20 | 80/180 | 100/210 | 100/210 | 80/180 | 100/210 | 80/180 |
| Ferrous Chloride+Manganese Chloride+Ferric Chloride / Hydrochloric Acid <8,9,12> | 1-60/0-20 | 80/180 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Ferrous Nitrate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Ferrous Sulfate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Fertilizer 32-0-0 (32% wt of total nitrogen), Urea-Ammonium Nitrate solution. | | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 |
| Fertilizer 8-8-8 (% wt of total nitrogen, phosphorus, and potassium) | | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 |
| Flue Gas, Dry <16> | All | 165/325 | 175/350 | 205/400 | 160/320 | 160/320 | |
| Flue Gas, Wet | All | 80/180 | 100/210 | 100/210 | 80/180 | 100/210 | 80/180 |
| Fluoboric Acid <1,2> | All | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 65/150 |
| Fluoride Salts + Hydrochloric Acid <1,2> | 30:10 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 |
| Fluorine in Flue Gas, Wet <1> | 2 | 80/180 | 100/210 | 100/210 | 80/180 | 100/210 | 80/180 |
| Fluosilicic Acid <1,2> | 0 - 10 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 65/150 |
| Fluosilicic Acid <1,2> | 11-20 | 60/140 | 60/140 | 60/140 | 60/140 | 60/140 | 60/140 |
| Fluosilicic Acid <1,2> | 21-35 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Fluosilicic Acid Fumes <1,2> | All | 80/180 | 80/180 | 80/180 | 80/180 | | 65/150 |
| Fluosilicic/ Hydrofluoric /Phosphoric Acids <1,2> | 22/5/5 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Fluozirconic Acid, Fluotitanic Acid, Ammonium Hydroxide <1,2> | 5:4:3 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Fly Ash Slurry | | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Formaldehyde | All | 50/120 | 65/150 | 65/150 | 50/120 | 65/150 | |
| Formaldehyde/Methanol | 0-37/0-15 | 50/120 | 65/150 | 65/150 | 50/120 | 65/150 | |
| Formamide | 20 | 40/100 | 50/120 | 65/150 | 50/120 | 65/150 | 40/100 |
| Formamide | 100 | 20/70 | 20/70 | 20/70 | 20/70 | 20/70 | |
| Formic Acid | 10 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 65/150 |
| Formic Acid | 25 | 50/120 | 65/150 | 65/150 | 50/120 | 65/150 | 50/120 |
| Formic Acid | 50 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | |
| Formic Acid | 85 | 25/80 | 25/80 | 40/100 | 25/80 | 25/80 | |
| Formic Acid | 98 | | | 40/100 | | | |

Chemical Resistance Table: Maximum Service Temperatures for Derakane and Derakane Momentum™ Resins—continued

| Chemical Environment | Concentration % | 411 °C/°F | 441 °C/°F | 470 °C/°F | 510A/C °C/°F | 510N °C/°F | 8084 °C/°F |
|---|-----------------|-----------|-----------|-------------|--------------|-------------|------------|
| Fuel C (50/50 Isooctane/Toluene) | 100 | | | 50/120 | | | |
| Fuel C / Methyl t-Butyl Ether (MTBE) Note: Fuel C is 50% toluene and 50% isooctane) | 85:15 | | | 50/120 | | | |
| Fuel Oil | 100 | 80/180 | 100/210 | 100/210 | 80/180 | 100/210 | 65/150 |
| Furfural <11> | 0 - 10 | 40/100 | 50/120 | 50/120 | 40/100 | 50/120 | |
| Furfural | 100 | NR | NR | LS | NR | NR | NR |
| Furfural in organic solvent <4> | 0 - 20 | NR | 25/80 | 40/100 | NR | 40/100 | |
| Furfural/ Acetic Acid/ Methanol | 30/10/5 | NR | NR | LS | NR | NR | NR |
| Furfuryl Alcohol <2> | 20 | 40/100 | 50/120 | 65/150 | 40/100 | 50/120 | 40/100 |
| Furfuryl Alcohol <2> | 100 | NR | NR | 25/80 | NR | NR | NR |
| Gallic Acid | Sat'd | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | |
| Gasohol (1-100% Alcohol) | 100 | | | 40/100 | | | |
| Gasoline, no alcohol | 100 | | | 50/120 | | | |
| Glucose <18> | 100 | 80/180 | 80/180 | | | | |
| Glutamic Acid <18> | 50 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | |
| Glutaraldehyde | 50 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 |
| Glutaric Acid | 50 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | |
| Glycerine | 100 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 65/150 |
| Glycine and derivatives | All | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | |
| Glycol | 100 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 65/150 |
| Glycolic Acid (Hydroxyacetic acid) | 70 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | |
| Glyconic Acid | 50 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 65/150 |
| Glyoxal | 40 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | |
| Glyphosate | All | | 40/100 | 40/100 | | 40/100 | |
| Gold Plating Solution (23% Potassium Ferrocyanide with Potassium Gold Cyanide and Sodium Cyanide) | | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Green Liquor <1,2> | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Gypsum Slurry (see also Calcium Sulfate) | All | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Hard Chrome Plating Baths (with Sulfuric Acid - Not Recommended) | | 60/140 | 60/140 | | | | |
| Heptane | 100 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Heptane, Fumes | fumes | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Herbicides <6> | | | | | | | |
| Hexachloroethane | 100 | LS | 40/100 | 50/120 | LS | 40/100 | NR |
| Hexadecanol | 100 | 65/150 | 80/180 | 80/180 | 65/150 | 80/180 | 50/120 |
| Hexamethylenetetramine | 40 | 40/100 | 50/120 | 50/120 | 40/100 | 50/120 | |
| Hexane | 100 | 70/160 | 70/160 | 70/160 | 70/160 | 70/160 | |
| Hexanoic Acid | 100 | 25/80 | 50/120 | 50/120 | 25/80 | 50/120 | 25/80 |
| Hot Stack Gas (see Flue Gas) | | | | | | | |
| Hydraulic Fluid (Glycols) <14> | 100 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | |
| Hydrazine | 20 | | LS | LS | LS | LS | |
| Hydrazine | 100 | NR | NR | LS | NR | NR | NR |
| Hydrazine/ Sodium Phosphate | 5:10 | | LS | LS | LS | LS | |
| Hydriodic Acid | 40 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 |
| Hydriodic Acid | 57 | | 40/100 | 40/100 | 40/100 | 40/100 | |
| Hydrobromic Acid | 0 - 25 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Hydrobromic Acid | 48 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 |
| Hydrobromic Acid | 62 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Hydrobromic Acid/ Bromine | 40/2 | | 40/100 | 40/100 | 40/100 | 40/100 | |
| Hydrochloric Acid <9,12> | 1 - 15 | 80/180 | 105/220 | 110/230 | 100/210 | 105/220 | 80/180 |
| Hydrochloric Acid <8,9,12> | 16 - 20 | 80/180 | 105/220 | 110/230 | 100/210 | 105/220 | 80/180 |
| Hydrochloric Acid <8,9,12> | 21 - 25 | 65/150 | 80/180 | 100/210 | 80/180 | 80/180 | 80/180 |
| Hydrochloric Acid <8,9,12> | 26 - 30 | 65/150 | 80/180 | 95/200 | 80/180 | 80/180 | 80/180 |
| Hydrochloric Acid <8,9,13> | 31 - 32 | 65/150 | 70/160 | 80/180 <15> | 65/150 | 80/180 <15> | 65/150 |
| Hydrochloric Acid <8,9,13> | 33 - 34 | 50/125 | 50/125 | 70/160 <15> | 50/125 | 70/160 <15> | 50/125 |

Chemical Resistance Table: Maximum Service Temperatures for Derakane and Derakane Momentum™ Resins—continued

| Chemical Environment | Concentration % | 411 °C/°F | 441 °C/°F | 470 °C/°F | 510A/C °C/°F | 510N °C/°F | 8084 °C/°F |
|--|-----------------|-----------|-----------|-----------------------|--------------|----------------|------------|
| Hydrochloric Acid <8,9,13> | 35 - 36 | 50/125 | 50/125 | 60/140 <15> | 50/125 | 60/140 <15> | 50/125 |
| Hydrochloric Acid <8,9,13> | 37 | 40/100 | 45/110 | 50/125 <15> | 40/100 | 50/120 <15> | |
| Hydrochloric Acid & Dissolved Organics <8,9,13> | 0 - 33% HCl | NR | | 65/150 <15> | | | NR |
| Hydrochloric Acid + Aluminum (Reactor), Aluminum chloride <9,10,12> | < 15% HCl | 80/180 | 100/210 | | 80/180 | | |
| Hydrochloric Acid/ Aluminum Chloride <8,9,12> | 30/0-40 | 65/150 | 70/160 | 80/180 <15> | 65/150 | 80/180 <15> | 65/150 |
| Hydrochloric Acid + Chlorine <8,9,12> | 0.5 - 20% HCl | 80/180 | 90/190 | 100/210 | 80/180 | 100/210 | 80/180 |
| Hydrochloric Acid, Fumes + Free Chlorine, dry above 210°F/100°C <8,9,12,16> | | | 175/350 | 175/350 | | 175/350 | |
| Hydrochloric Acid, Fumes <9,16> | | 100/210 | 175/350 | 175/350 | 100/210 | 175/350 | 80/180 |
| Hydrochloric Acid/ Bromine/ Chlorine <8,9,12> | 22/0.1/0.1 | 65/150 | 80/180 | 100/210 | 80/180 | 80/180 | 80/180 |
| Hydrochloric Acid/ Calcium Chloride <8,9,12> | 27/15 | 65/150 | 80/180 | 95/200 | 80/180 | 80/180 | 80/180 |
| Hydrochloric Acid/ Diethylene Triamine (as Hydrochloride)/ Ammonium Chloride <8,9,13> | 33/10/10 | | | 65/150 | | | |
| Hydrochloric Acid/ Ferric Chloride <8,9,12> | 1-20/0-29 | 80/180 | 105/220 | 105/220 | 80/180 | 105/220 | 80/180 |
| Hydrochloric Acid/ Ferric Chloride/ Organics <2,8,9,13> | 28/35/1 | NR | NR | 65/150 | NR | NR | NR |
| Hydrochloric Acid/ Ferrous Chloride <8,9,12> | 1-20/0-29 | 80/180 | 100/210 | 100/210 | 80/180 | 100/210 | 80/180 |
| Hydrochloric Acid/ Formaldehyde <2,8,9,13> | 25/3 | NR | NR | 65/150 | NR | NR | NR |
| Hydrochloric / Hydrofluoric Acid <1,2,8,13> | 36/1 | | 40/100 | 40/100 <15> | | 40/100 <15> | |
| Hydrochloric / Hydrofluoric Acid <1,2,8,13> | Max Total 20 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Hydrochloric/ Hydrofluoric Acid <1,2,13> | 15/0.1-1 | 80/180 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Hydrochloric/ Hydrofluoric Acid <1,2,8,13> | 25/6 | 40/100 | 45/110 | 50/120 | 40/100 | 50/120 | |
| Hydrochloric/ Hydrofluoric/ Phosphoric Acid, Nitrobenzene, <1,2> | 15/1/1/0.5 | NR | LS | 40/100 | NR | LS | NR |
| Hydrochloric/ Hydrofluoric/ Xylene | 15/15/70 | | | NR | | | |
| Hydrochloric/Hydrofluoric Acid <1,2,8,13> | 0.5 - 20/0 - 1 | 65/150 | 80/180 | 80/180 | 65/150 | 80/180 | |
| Hydrochloric/Hydrofluoric Acid <1,2,8,13> | 30/15 | | | 40/100 | | | |
| Hydrocyanic Acid | All | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Hydrofluoric Acid <1,2> | 10 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 |
| Hydrofluoric Acid <1,2> | 20 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Hydrofluoric/ Nitric Acid <1,2> | 15/15 | | | 40/100 | | 40/100 | |
| Hydrofluoric/ Nitric Acid <1,2> | 6/20 | 50/120 | 50/120 | 60/140 | 55/130 | 60/140 | 40/100 |
| Hydrofluoric/ Nitric Acid <1> | 3-5/30-35 | NR | NR | LS | NR | LS | NR |
| Hydrofluoric/Nitric/Sulfuric Acid <1,2> | 8/20/2 | | | 60/140 | | 60/140 | |
| Hydrofluosilicic Acid / Polyaluminum Hydroxychloride (or Polyaluminum Chloride, PAC) <1,2> | 1 - 22/1 - 35 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Hydrofluosilicic Acid <1> (See Fluosilicic Acid) | | | | | | | |
| Hydrofluosilicic Acid / Zinc Chloride <1> | 20/All | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Hydrogen Bromide, dry gas | 100 | 80/180 | 80/180 | 100/210 | 80/180 | 100/210 | 80/180 |
| Hydrogen Bromide, wet gas | 100 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Hydrogen Chloride, dry gas <6,16> | 100 | 100/210 | 175/350 | 175/350 | 100/210 | 175/350 | 80/180 |
| Hydrogen Chloride, wet gas | 100 | 100/210 | 110/230 | 110/230 | 100/210 | 110/230 | 80/180 |
| Hydrogen Fluoride, Dry Gas/Vapor (if wet max. 40°C/100°F) <1,2,6> | | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Hydrogen Peroxide <2,3,6> | 5 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 |
| Hydrogen Peroxide <2,3,6> | 30 | 40/100 | 40/100 | 65/165 | 40/100 | 65/150 | 40/100 |

For notes in English, see page 8; French, see page 16; German, see page 24; Portuguese, see page 32; Spanish, see page 40.

In bold: preferred resin

Chemical Resistance Table: Maximum Service Temperatures for Derakane and Derakane Momentum™ Resins—continued

| Chemical Environment | Concentration % | 411 °C/°F | 441 °C/°F | 470 °C/°F | 510A/C °C/°F | 510N °C/°F | 8084 °C/°F |
|---|-----------------|-----------|-----------|-----------|--------------|------------|------------|
| Hydrogen Peroxide <2,3,6> | 35 | 25/80 | 30/90 | 40/100 | 30/90 | 40/100 | NR |
| Hydrogen Peroxide <2,3,6> | 50 | NR | NR | LS | NR | NR | NR |
| Hydrogen Sulfide <6,16> | 5 | 100/210 | 175/350 | 175/350 | 100/210 | 175/350 | 80/180 |
| Hydrogen Sulfide, aqueous | All | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Hydrogen Sulfide, dry gas | 100 | 100/210 | 110/230 | 110/230 | 100/210 | 110/230 | 80/180 |
| Hydrogenated tallow alkyl amine (C8-C18) | 100 | 40/100 | 40/100 | | | | |
| Hydrosulfite Bleach, Aqueous Solution containing 5% Zinc Hydrosulfite and 2.5% Tripolyphosphate <5> | | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Hydroxyacetic Acid (Glycolic Acid) | 20 | 40/100 | 50/120 | 65/150 | 40/100 | 50/120 | 40/100 |
| Hydroxyacetic Acid (Glycolic Acid) | 70 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | |
| Hydroxylamine Acid Sulfate (Hydroxylammonium Acid Sulfate, HSA), Reaction of Hydroxylamine Acid Disulfate with steam to form HAS, Sulfuric Acid, Ammonium Sulfate | > 0.5 | | 100/210 | 100/210 | | | |
| Hypochlorous Acid <6> | | | | | | | |
| Hypophosphorous Acid | 0-50 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 |
| Imidazoline Acetate/Solvent <2,4> | 20 | 40/100 | 45/110 | 50/120 | 40/100 | 45/110 | NR |
| Imidazoline Acetate/Solvent <2,4> | 60 | NR | LS | 40/100 | NR | NR | NR |
| Incinerator Gases, see Flue Gas | | | | | | | |
| Insecticides emulsions <6> | | | | | | | |
| Iodine, Crystals | 100 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 |
| Iodine, Vapor | 100 | 65/150 | 65/150 | 80/180 | 65/150 | 65/150 | 65/150 |
| Ion Exchange Resin, fine mesh resins | | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Iron and Steel Cleaning Bath, 9% Hydrochloric, 23% Sulfuric acid | | 80/180 | 100/210 | 100/210 | 80/180 | 100/210 | 80/180 |
| Iron Plating Solution 45% FeCl ₂ ; 15% CaCl ₂ ; 20% FeSO ₄ ; 11% (NH ₄) ₂ SO ₄ | | 80/180 | 120/250 | 120/250 | 80/180 | 120/250 | 80/180 |
| Isoamyl Alcohol | 20 | 65/150 | 65/150 | 80/180 | 65/150 | 65/150 | 65/150 |
| Isoamyl Alcohol | 100 | 50/120 | 60/140 | 65/150 | 50/120 | 60/140 | 50/120 |
| Isobutyl Alcohol | 20 | 65/150 | 65/150 | 80/180 | 65/150 | 65/150 | 40/100 |
| Isobutyl Alcohol | 100 | 50/120 | 50/120 | 65/150 | 50/120 | 50/120 | NR |
| Isodecanol | 100 | 50/120 | 65/150 | 80/180 | 50/120 | 65/150 | 50/120 |
| Isononyl Alcohol | 100 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 40/100 |
| Isooctyl Adipate | 100 | 50/120 | 50/120 | 65/150 | 50/120 | | 40/100 |
| Isooctyl Alcohol | 100 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 50/120 |
| Isopropanol Amine | 100 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | NR |
| Isopropyl Alcohol (Isopropanol) | 100 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | NR |
| Isopropyl Amine | 0.5-50 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | |
| Isopropyl Amine | 100 | NR | NR | LS | NR | NR | NR |
| Isopropyl Myristate | 100 | 100/210 | 110/230 | 110/230 | | 110/230 | 65/150 |
| Isopropyl Palmitate | 100 | 100/210 | 110/230 | 110/230 | 100/210 | 110/230 | 65/150 |
| Itaconic Acid | 0.5-40 | 60/140 | 60/140 | 60/140 | 60/140 | 60/140 | 60/140 |
| Jet Fuel, General | 100 | 60/140 | 60/140 | 60/140 | 60/140 | 60/140 | 60/140 |
| Kerosene | 100 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 65/150 |
| Kraft Recovery Boiler Breaching (see Flue Gas) | | | | | | | |
| Lactic Acid | All | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 65/150 |
| Latex (Emulsion in Water), for specific latices see under chemical/polymer name | All | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 |
| Lauroyl Chloride | 100 | 40/100 | 50/120 | 50/120 | | 50/120 | |
| Lauryl Alcohol | 100 | 65/150 | 80/180 | 80/180 | 65/150 | 80/180 | 50/120 |
| Lauryl Chloride | 100 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 65/150 |
| Lauryl Mercaptan | 100 | 80/180 | 95/200 | 100/210 | 80/180 | 95/200 | |
| Lead Acetate | Sat'd | 100/210 | 110/230 | 110/230 | 100/210 | 110/230 | |
| Levulinic Acid | Sat'd | 100/210 | 110/230 | 110/230 | 100/210 | 110/230 | |
| Lignin Sulfonate | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 65/150 |
| Lime Slurry (see Calcium Hydroxide) | | | | | | | |

Chemical Resistance Table: Maximum Service Temperatures for Derakane and Derakane Momentum™ Resins—continued

| Chemical Environment | Concentration % | 411 °C/°F | 441 °C/°F | 470 °C/°F | 510A/C °C/°F | 510N °C/°F | 8084 °C/°F |
|--|-----------------|-----------|-----------|-----------|--------------|------------|------------|
| Limestone Slurry (see Calcium Carbonate) | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Linseed Oil | 100 | 100/210 | 110/230 | 110/230 | 100/210 | 110/230 | 65/150 |
| Liquid Petroleum Gas (LPG) | 100 | 60/140 | 60/140 | 60/140 | 60/140 | 60/140 | 60/140 |
| Lithium Bromide | Sat'd | 100/210 | 120/250 | 120/250 | 100/210 | | 80/180 |
| Lithium Carbonate <1> | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Lithium Chloride | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Lithium Chloride | Sat'd (35-40) | 100/210 | 120/250 | 120/250 | 100/210 | 120/250 | 80/180 |
| Lithium Hydroxide <1> | All | 80/180 | 80/180 | 40/100 | 80/180 | 80/180 | 80/180 |
| Lithium Hypochlorite <2,3,5,9> | All | 80/180 | 80/180 | 40/100 | 80/180 | 80/180 | 80/180 |
| Magnesium Bisulfite | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Magnesium Carbonate | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Magnesium Chloride | Sat'd | 100/210 | 120/250 | 120/250 | 100/210 | 120/250 | 80/180 |
| Magnesium Fluosilicate <1> | All | 80/180 | 80/180 | 80/180 | | 80/180 | 80/180 |
| Magnesium Hydroxide | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Magnesium Nitrate | All | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Magnesium Phosphate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Magnesium Sulfate | Sat'd | 100/210 | 120/250 | 120/250 | 100/210 | 120/250 | 80/180 |
| Magnesium Sulfate, Phosphoric Acid | 1-40/0-36 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 |
| Flocculant MW>40.000, cationic polyamine <6> | All | 60/140 | 60/140 | 60/140 | 60/140 | 60/140 | 60/140 |
| Maleic Acid | > 0.5 | 80/180 | 100/210 | 100/210 | 80/180 | 100/210 | 80/180 |
| Manganese Chloride (Manganous Chloride) | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Manganese Nitrate (Manganous) | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Manganese Sulfate (Manganous Sulfate) | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| MDI, see Diphenylmethane-4,4-Diisocyanate | 100 | | | | | | |
| Melamine Formaldehyde Resin | All | 40/100 | 50/120 | 50/120 | 40/100 | 50/120 | 40/100 |
| Mercaptoacetic Acid | All | NR | 25/80 | 40/100 | NR | 25/80 | NR |
| Mercaptoethanol | 10 | | 80/180 | 80/180 | | 80/180 | |
| Mercuric Chloride | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Mercurous Chloride | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Mercury | 100 | 100/210 | 120/250 | 120/250 | 100/210 | 120/250 | 65/150 |
| Metal Pickling Solutions (Sulfuric-, Hydrochloric-, and/or Phosphoric Acids) <9> | 0.5-15 Total | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | |
| Methacrylic Acid <7> | 25 | 40/100 | 40/100 | 50/120 | 40/100 | 40/100 | 40/100 |
| Methacrylic Acid | 100 | NR | NR | LS | NR | NR | NR |
| Methane / Nitrogen | 70/30 | 60/140 | 80/180 | 95/200 | 80/180 | 95/200 | 60/140 |
| Methane Sulfonic Acid <6> | 20-100 | NR | LS | 40/100 | NR | NR | NR |
| Methanol (Methyl Alcohol) | 5 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 |
| Methanol (Methyl Alcohol) | 20 | NR | 30/90 | 40/100 | NR | 40/100 | NR |
| Methanol (Methyl Alcohol) | 40 - 100 | NR | LS | 40/100 | NR | NR | NR |
| Methanol, Fumes, no condensation or coalescence | fumes | | 65/150 | 80/180 | 80/180 | 80/180 | |
| Methanol/ Ethanolamine | 0-60/0-20 | NR | LS | 40/100 | NR | NR | NR |
| Methanol/ Formaldehyde/ Sulfuric | 60/20/2 | NR | LS | 40/100 | NR | NR | NR |
| Methanol/Formaldehyde | 0-15/0-37 | 50/120 | 65/150 | 65/150 | 50/120 | 65/150 | |
| Methanol/Formaldehyde | 35/4 | NR | NR | 40/100 | NR | NR | |
| 1-Methoxy-2-Propanol | 100 | NR | LS | 20/70 | NR | NR | NR |
| Methyl Acetate | 20 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Methyl Acetate | 100 | NR | NR | LS | NR | LS | NR |
| Methylamine | 20 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Methylamine | 40 | LS | LS | LS | LS | LS | NR |
| Methylamine | 100 | NR | NR | LS | NR | NR | NR |
| Methyl Bromide | 10 | 25/80 | 25/80 | 25/80 | 25/80 | 25/80 | NR |
| Methyl Bromide | 100 | NR | NR | LS | NR | NR | NR |
| 2-Methyl-3-Butenenitrile | All | 25/80 | 40/100 | 40/100 | 25/80 | 40/100 | |
| Methyl Butyl Ketone (MBK), includes Methyl t-Butyl Ketone (MTBK) and other Isomers | 100 | 25/80 | 40/100 | 50/120 | 25/80 | 40/100 | NR |

Chemical Resistance Table: Maximum Service Temperatures for Derakane and Derakane Momentum™ Resins—continued

| Chemical Environment | Concentration % | 411 °C/°F | 441 °C/°F | 470 °C/°F | 510A/C °C/°F | 510N °C/°F | 8084 °C/°F |
|--|-----------------|-----------|-----------|-----------|--------------|------------|------------|
| Methyl Chloride, Gas | All | 40/100 | 65/150 | 65/150 | 40/100 | 65/150 | NR |
| Methyl Chloride, Fumes, no condensation or coalescence | fumes | | | 80/180 | 80/180 | 80/180 | |
| Methyl Chloroform (also 1,1,1-Trichloroethane inhibited) | 100 | 40/100 | 50/120 | 50/120 | 40/100 | 50/120 | NR |
| Methyl chloroform / Perchloroethylene | 75/25 | 40/100 | 50/120 | 50/120 | 40/100 | 50/120 | |
| Methyldiethanolamine | 20 | 50/120 | 65/150 | 80/180 | 50/120 | 65/150 | 40/100 |
| Methyldiethanolamine | 100 | 50/120 | 50/120 | 65/150 | 50/120 | 50/120 | |
| Methyl Distearyl Ammonium Chloride/ Isopropanol | 75/25 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | |
| Methylene Chloride | 100 | NR | NR | LS | NR | NR | NR |
| Methylene Chloride, Fumes, no condensation or coalescence | fumes | | | 80/180 | 80/180 | 80/180 | |
| Methylene Chloride: Methanol: Water | 1:4:95 | 40/100 | 40/100 | 50/120 | 40/100 | 40/100 | 40/100 |
| Methyl Ethyl Ketone | 20 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Methyl Ethyl Ketone | 100 | LS | LS | 20/70 | LS | LS | NR |
| Methyl Ethyl Ketone, 2-Butanol, Triethylamine, 2-Butoxy Ethanol | <25 Total | LS | 25/80 | 40/100 | LS | 25/80 | NR |
| Methyl Formate | 5 | 40/100 | 45/110 | 50/120 | 45/110 | 50/120 | |
| Methyl Isobutyl Ketone (MIBK) | 100 | 25/80 | 40/100 | 50/120 | 25/80 | 40/100 | NR |
| Methyl Mercaptan (Gas) | All | 40/100 | 65/150 | 65/150 | 40/100 | 65/150 | NR |
| Methyl Methacrylate | All | NR | LS | 25/80 | NR | 20/70 | NR |
| N-methyl-2-pyrrolidone | 10 | | | LS | | | |
| N-methyl-2-pyrrolidone | 100 | NR | NR | LS | NR | NR | NR |
| Methylstyrene (alpha) | 100 | 25/80 | 40/100 | 50/120 | 25/80 | 40/100 | NR |
| Methyl t-Butyl Ether | 100 | NR | 25/80 | 25/80 | NR | 25/80 | NR |
| Methyl t-Butyl Ether (MTBE) / Fuel C (Fuel C is 50% toluene and 50% isooctane) | 15:85 | 40/100 | 50/120 | 50/120 | 40/100 | 50/120 | NR |
| Methyl t-Butyl Ether, Fumes, no condensation or coalescence | fumes | | | 80/180 | 80/180 | 80/180 | |
| Methyl Tin Trichloride / Dimethyl Tin Di-chloride (10/90) in aqueous solution <7> | 50 | | | 45/110 | | | |
| Mineral Oils, aliphatic | 100 | 100/210 | 120/250 | 120/250 | 100/210 | 120/250 | 65/150 |
| Molasses | 100 | 80/180 | 80/180 | | | | |
| Monochloroacetic Acid, see Chloroacetic Acid | | | | | | | |
| Monochlorobenzene | 100 | NR | 25/80 | 40/100 | NR | 25/80 | NR |
| Monoethanolamine (See Ethanolamine) | | | | | | | |
| Monomethylhydrazine | 100 | NR | NR | LS | NR | NR | NR |
| Morpholine <2> | 20 | 40/100 | 45/110 | 50/120 | 45/110 | 50/120 | 40/100 |
| Morpholine <2> | 100 | NR | NR | 25/80 | NR | NR | NR |
| Morpholine/ Cyclohexylamine | All | NR | NR | 25/80 | NR | NR | NR |
| Motor Oil | 100 | 100/210 | 120/250 | 120/250 | 100/210 | 120/250 | 65/150 |
| Muriatic Acid (See Hydrochloric Acid) | | | | | | | |
| Myristic Acid | 100 | 100/210 | 120/250 | 120/250 | 100/210 | 120/250 | 65/150 |
| Naphtha | 100 | 80/180 | 100/210 | 100/210 | 80/180 | 100/210 | 80/180 |
| Naphtha, Heavy Aromatic | 100 | | 50/120 | 50/120 | | 50/120 | |
| Naphthalene | 100 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Neutralizer & Desmut | All | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 |
| Nickel Chloride | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Nickel Nitrate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Nickel Plating Solution #1 (11% Nickel Sulfate; 2% Nickel Chloride; 1% Boric Acid) | | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Nickel Plating Solution #2 (44% Nickel Sulfate; 4% Ammonium Chloride; 4% Boric Acid) | | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Nickel Plating Solution #3 (15% Nickel Sulfate/ 5% Nickel Chloride/ 3% Boric Acid) | | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Nickel Sulfamate | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |

Chemical Resistance Table: Maximum Service Temperatures for Derakane and Derakane Momentum™ Resins—continued

| Chemical Environment | Concentration % | 411 °C/°F | 441 °C/°F | 470 °C/°F | 510A/C °C/°F | 510N °C/°F | 8084 °C/°F |
|---|-----------------|-----------|-----------|-----------|--------------|------------|------------|
| Nickel Sulfate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Nitric Acid | 0-5 | 65/150 | 80/180 | 80/180 | 65/150 | 80/180 | 65/150 |
| Nitric Acid | 6-10 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 50/120 |
| Nitric Acid | 11-20 | 50/120 | 50/120 | 65/150 | 50/120 | 65/150 | 50/120 |
| Nitric Acid <2> | 21-29 | 40/100 | 40/100 | 50/120 | 40/100 | 50/120 | 40/100 |
| Nitric Acid <2> | 30-35 | 25/80 | 30/90 | 40/100 | 30/90 | 40/100 | NR |
| Nitric Acid <2> | 36-40 | NR | NR | 40/100 | NR | 25/80 | NR |
| Nitric Acid | 70 | NR | NR | LS | NR | NR | NR |
| Nitric Acid Fumes <2> | < 60 (soln.) | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Nitric Acid Fumes, no condensation <2> | > 60 (soln.) | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Nitric Acid/ Hexavalent Chrome (Chromic Acid) | 10/5 | 40/100 | 50/120 | 65/150 | 40/100 | 40/100 | 40/100 |
| Nitric Acid/ Hydrogen Peroxide/ Hydrofluoric Acid <1,2,3> | 30/5/0.5 | 25/80 | 30/90 | 40/100 | 30/90 | 40/100 | NR |
| Nitric/ Hydrofluoric <1,2> | 25/3 | 40/100 | 40/100 | 50/120 | 40/100 | 50/120 | 40/100 |
| Nitric/ Hydrofluoric Acid | 30-35/3-5 | NR | NR | LS | NR | LS | NR |
| Nitric/ Hydrofluoric Acid <1,2> | 15/15 | | | 40/100 | | 40/100 | |
| Nitric/ Hydrofluoric Acid <1,2> | 20/6 | 50/120 | 50/120 | 60/140 | 55/130 | 60/140 | 40/100 |
| Nitric/Hydrofluoric/Sulfuric Acid <1,2> | 20/8/2 | | | 60/140 | | 60/140 | |
| Nitric/ Phosphoric Acid <2> | 24/23 | 40/100 | 40/100 | 50/120 | 40/100 | 50/120 | 40/100 |
| Nitric/ Sulfuric Acid <2> | 20/20 | 40/100 | 40/100 | 50/120 | 40/100 | 50/120 | 40/100 |
| Nitric/ Sulfuric/ Phosphoric Acid | 20/5/2 | 40/100 | 40/100 | 50/120 | 40/100 | 50/120 | 40/100 |
| Nitric/Phosphoric Acid <2> | 5/5 | 65/150 | 80/180 | 80/180 | 80/180 | 80/180 | 65/150 |
| Nitrobenzene | 100 | NR | 25/80 | 40/100 | NR | 25/80 | NR |
| Nitrophenol <11> | | NR | 25/80 | 40/100 | NR | 25/80 | NR |
| N-methyl-2-pyrrolidone | 10 | | | LS | | | |
| N-methyl-2-pyrrolidone | 100 | NR | NR | LS | NR | NR | NR |
| Noncondensable Blow-Down Gases (see Flue Gas or Blow Down) | | | | | | | |
| Octanoic Acid | 100 | 80/180 | 100/210 | 100/210 | 80/180 | 100/210 | |
| Oil, Sweet and Sour, Crude | 100 | 100/210 | 120/250 | 120/250 | 100/210 | 120/250 | 65/150 |
| Oleic Acid | 100 | 100/210 | 100/210 | | | | |
| Oleum (Fuming Sulfuric) | | NR | NR | LS | NR | NR | NR |
| Olive Oils <18> | 100 | 100/210 | 120/250 | | | | |
| Ortho-dichlorobenzene (see Dichlorobenzene) | | | | | | | |
| Oxalic Acid <18> | Sat'd | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | |
| Ozone in solution <6> | 2mg/l | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Palladium suspensions in Ammonium Hydroxide, see Ammonium Hydroxide | | | | | | | |
| Palladium suspensions in Hydrochloric Acid, see Hydrochloric Acid | | | | | | | |
| Palmitic Acid <18> | 100 | 100/210 | 120/250 | | | | |
| Paper Mill Effluent (see Sulfite/Sulfate Liquors (Pulp Mill)) | | | | | | | |
| Para-dichlorobenzene (see Dichlorobenzene) | | | | | | | |
| Peanut Oil <18> | 100 | 80/180 | 80/180 | | | | |
| Pentabromo diphenyl oxide | 100 | 25/80 | 45/110 | 50/120 | 25/80 | 50/120 | NR |
| Pentachlorophenol <4> | All | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 |
| Pentanedioic Acid (See Glutaric Acid) | | | | | | | |
| Peracetic Acid <1,2,3,6> | 20 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | |
| Peracetic Acid | 35 | NR | NR | LS | NR | NR | NR |
| Perchloric Acid | 10 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 |
| Perchloric Acid | 30 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Perchloroethylene | 100 | 25/80 | 50/120 | 50/120 | 25/80 | 50/120 | NR |
| Perchloroethylene / Methyl chloroform | 75/25 | 40/100 | 50/120 | 50/120 | 40/100 | 50/120 | |
| Phenol (Carbolic Acid) <2> | 0 - 2 | 25/80 | 40/100 | 50/120 | 25/80 | 40/100 | NR |
| Phenol (Carbolic Acid) <2> | 5 | NR | 25/80 | 50/120 | NR | 25/80 | NR |

Chemical Resistance Table: Maximum Service Temperatures for Derakane and Derakane Momentum™ Resins—continued

| Chemical Environment | Concentration % | 411 °C/°F | 441 °C/°F | 470 °C/°F | 510A/C °C/°F | 510N °C/°F | 8084 °C/°F |
|--|-----------------|-----------|-----------|-----------|--------------|------------|------------|
| Phenol (Carbolic Acid) <2> | 10 | NR | LS | 50/120 | NR | LS | NR |
| Phenol (Carbolic Acid) <2> | 15 | NR | LS | 30/90 | NR | LS | NR |
| Phenol (Carbolic Acid) <2> | 88 | NR | NR | 20/70 | NR | NR | NR |
| Phenol Formaldehyde Resin | All | 40/100 | 50/120 | 50/120 | 40/100 | 50/120 | 40/100 |
| Phenol Sulfonic Acid <6> | All | 25/80 | 25/80 | 25/80 | 25/80 | 25/80 | |
| Phenol/ Methanol/ Anionic Detergent | 15/10/20 | NR | NR | LS | NR | NR | NR |
| Phenolic Resin/ Phenol <2> | 80/20 | | | 25/80 | | | |
| Phenolic Resin/ Phenol <2> | 90/10 | | | 50/120 | | | |
| Phosphoric Acid | 0.5 - 85 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Phosphoric Acid | 85 - 100 | 100/210 | 100/210 | 105/220 | 100/210 | 100/210 | 80/180 |
| Phosphoric Acid (Polyphosphoric Acid) | 115 | 100/210 | 100/210 | 105/220 | 100/210 | 100/210 | 80/180 |
| Phosphoric Acid (Superphosphoric Acid 76% P2O5) | 105 | 100/210 | 100/210 | 105/220 | 100/210 | 100/210 | 80/180 |
| Phosphoric Acid/ Tributyl Phosphate (Vapor Phase, Condensation) | 85/0.5 | 50/120 | 60/140 | 60/140 | 50/120 | 60/140 | 40/100 |
| Phosphoric Acid with Phosphorous Pentoxide, Hydrochloric Acid and Sulfuric Dioxide | Fumes | 100/210 | 110/230 | 110/230 | 100/210 | 110/230 | 80/180 |
| Phosphoric Acid, Vapor <6> | All | 100/210 | 120/250 | 120/250 | 100/210 | 120/250 | 80/180 |
| Phosphoric Acid/ Gypsum | 61/39 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Phosphoric Acid/ Sulfuric Acid | 85/15 | 40/100 | 40/100 | 50/120 | 40/100 | 40/100 | 40/100 |
| Phosphoric Acid/ Tributyl Phosphate/ Hydrofluoric Acid (no condensation of TBP) | 88/0.1/0.03 | 80/180 | 80/180 | 100/210 | 80/180 | 80/180 | |
| Phosphoric Acid/ Zinc Chloride | 0-100/0.5-70 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Phosphoric Acid/ Hydrochloric Acid, sat'd with Cl2 <8,9,12> | 15:9 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | |
| Phosphoric Acid / Sulfuric Acid | 0-25/0-25 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Phosphoric/ Sulfuric/ Hydrofluoric Acid <1,2> | 0-75/1/0-3 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 |
| Phosphorous Acid | 70 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Phosphorous Acid / Hydrochloric Acid <9,15> | 0-70/1-5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Phosphorous Acid / Hydrochloric Acid <8,9,15> | 0-70/6-10 | 65/150 | 65/150 | 80/180 | 65/150 | 65/150 | |
| Phosphorus Oxychloride | 100 | NR | NR | LS | NR | NR | NR |
| Phosphorus Trichloride | 100 | NR | NR | LS | NR | NR | NR |
| Phthalic Acid <4> | All | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | |
| Picric Acid (Alcoholic) <4> | 10 | NR | LS | 40/100 | NR | NR | NR |
| Pine Oil | 100 | 90/190 | 90/190 | 90/190 | 90/190 | 90/190 | |
| Plating Chemicals <6> | | | | | | | |
| Polyacrylamide | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Polyacrylic Acid | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Polyethylene Glycol | 100 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 65/150 |
| Polyethylene glycol methyl ether <6> | 100 | | | | | | |
| Polyethyleneimine | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | |
| Polyphosphoric Acid 115% H3PO4 (See phosphoric acid) | | | | | | | |
| Polyvinyl Acetate Adhesives | All | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | |
| Polyvinyl Alcohol | 100 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | |
| Polyvinyl Chloride Latex with 35 parts Dioctyl Phthalate | All | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | |
| Potassium Aluminum Sulfate | Sat'd | 100/210 | 120/250 | 120/250 | 100/210 | 120/250 | 80/180 |
| Potassium Bicarbonate | > 0.5 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Potassium Bromide | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Potassium Carbonate <1> | 0 - 50 | 80/180 | 80/180 | 65/150 | 80/180 | 65/150 | 80/180 |
| Potassium Carbonate/ Boric acid/ Potassium Metavanadate <1> | 20/4/1 | 80/180 | 80/180 | 65/150 | 80/180 | 65/150 | 80/180 |
| Potassium Chloride | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Potassium Dichromate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Potassium Ferricyanide | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |

Chemical Resistance Table: Maximum Service Temperatures for Derakane and Derakane Momentum™ Resins—continued

| Chemical Environment | Concentration % | 411 °C/°F | 441 °C/°F | 470 °C/°F | 510A/C °C/°F | 510N °C/°F | 8084 °C/°F |
|---|------------------------|-----------|-----------|-----------|--------------|------------|------------|
| Potassium Ferrocyanide | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Potassium Fluoride | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Potassium Gold Cyanide | 12 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Potassium Hydroxide <1,2> | 0 - 45 | 65/150 | 40/100 | 25/80 | 65/150 | 25/80 | |
| Potassium Hydroxide:Potassium Cyanide:Copper Cyanide <1> | 2:3:8 oz/gal, 2:2.5:7% | 65/150 | 40/100 | 25/80 | 65/150 | 25/80 | |
| Potassium Hypochlorite, Potassium Hydroxide, Potassium Metasilicate <2,3,9> | 50/40/10 | 50/120 | | | | | |
| Potassium Iodide | All | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 |
| Potassium Nitrate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Potassium Oxalate | All | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 |
| Potassium Permanganate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Potassium Persulfate | All | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Potassium Pyrophosphate | 60 | 55/130 | 65/150 | 65/150 | 55/130 | 65/150 | 55/130 |
| Potassium Silicofluoride <1> | All | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Potassium Sulfate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Propane | 100 | 60/140 | 60/140 | 60/140 | 60/140 | 60/140 | 60/140 |
| Propanol (n-) | 100 | 40/100 | 40/100 | 50/120 | 40/100 | 40/100 | NR |
| Propanol (n-), Fumes, no condensation or coalescence | fumes | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Propionic Acid | 0-50 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Propionic Acid | 100 | NR | 25/80 | 40/100 | NR | 25/80 | NR |
| Propionyl Chloride | 100 | NR | NR | LS | NR | NR | NR |
| Propyl Acetate | 100 | NR | LS | 25/80 | NR | NR | NR |
| Propyl Bromide | 100 | NR | LS | 25/80 | NR | LS | NR |
| Propyl Chloride | 100 | NR | LS | 25/80 | NR | LS | NR |
| Propylene Glycol | 100 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | |
| Propylene Glycol Methyl Ether, 2-Propanol, 1-Methoxy- ; CAS 107-98-2 | 100 | NR | LS | 20/70 | NR | NR | NR |
| Propylene Glycol Methyl Ether Acetate; CAS N°108-65-6 <2> | 20 | 40/100 | 50/120 | 50/120 | 40/100 | 50/120 | 40/100 |
| Propylene Glycol Methyl Ether Acetate; CAS N°108-65-6 <2> | 100 | NR | LS | 20/70 | NR | NR | NR |
| Propylene Glycol/ Ethoxylated Fatty Alcohols/ Diethylene Glycol n-Butyl Ether | 60/20/20 | 40/100 | 45/110 | 50/120 | 40/100 | 50/120 | NR |
| Propylene Glycol/ Monoethanolamine | 0-99/1 | 25/80 | 30/90 | 40/100 | 25/80 | 30/90 | NR |
| Propylene Oxide | 100 | NR | NR | NR | NR | NR | NR |
| Propylene Oxide, Fumes, no condensation or coalescence | fumes | | | 80/180 | 80/180 | 80/180 | |
| Pulp Paper Mill Blow Down (Noncondensable Gases), see Blow Down | | | | | | | |
| Pyridine | 20 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | NR |
| Pyridine | 100 | NR | NR | LS | NR | NR | NR |
| Quaternary Amine Salts | > 0.5 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | |
| Quinoline | 20 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | |
| Quinoline | 100 | | | LS | | | |
| Radiation Resistance <6> | | | | | | | |
| Rayon Spin Bath | | | | 60/140 | | | |
| Rayon Spinning | Fumes | 60/140 | 60/140 | 60/140 | 60/140 | 60/140 | |
| Recovery Boiler Gases (see Flue Gas) | | | | | | | |
| Red Liquor | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 65/150 |
| Salicylic Acid | All | 70/160 | 70/160 | | | | |
| Salt Brine | Sat'd | 100/210 | 120/250 | 120/250 | 100/210 | 120/250 | 80/180 |
| Scrubbing Low MW Amines with 10% Sulfuric Acid, see Amine Salts | | | | | | | |
| Sea Water | | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Selenious Acid | All | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Silicon Tetrafluoride/Hydrofluoric/ Sulfuric Acid <1,2> | < 10 total | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 |

Chemical Resistance Table: Maximum Service Temperatures for Derakane and Derakane Momentum™ Resins—continued

| Chemical Environment | Concentration % | 411 °C/°F | 441 °C/°F | 470 °C/°F | 510A/C °C/°F | 510N °C/°F | 8084 °C/°F |
|---|----------------------|-----------|-----------|-----------|--------------|------------|------------|
| Silver Nitrate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Silver Plating Solution, 4% Silver; 7% Potassium and 5% Sodium Cyanides; 2% Potassium Carbonate <1> | | 80/180 | 80/180 | 65/150 | 80/180 | 65/150 | |
| Sodium Acetate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | |
| Sodium Alkyd Aryl Sulfonates | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 65/150 |
| Sodium Aluminate <1> | All | 70/160 | 70/160 | 50/120 | 70/160 | 50/120 | 50/120 |
| Sodium Benzoate | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Sodium Bicarbonate | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Sodium Bicarbonate: Sodium Carbonate <1> | 15:20 | 80/180 | 80/180 | 65/150 | 80/180 | 65/150 | 80/180 |
| Sodium Bifluoride <1> | All | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 |
| Sodium Bisulfate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sodium Bisulfide (Hydrosulfide) | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Sodium Bisulfite | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sodium Borate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sodium Borohydride SWS (Stabilized Water Solution) | All | 40/100 | 40/100 | | | | |
| Sodium Bromate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sodium Bromide | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sodium Carbonate <1> | All | 80/180 | 80/180 | 65/150 | 80/180 | 65/150 | 80/180 |
| Sodium Carbonate: Sodium Bicarbonate <1> | 20:15 | 80/180 | 80/180 | 65/150 | 80/180 | 65/150 | 80/180 |
| Sodium Chlorate, stable | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sodium Chlorate/ Phosphoric Acid <6> | 1-20/1-20 | | | | | | |
| Sodium Chlorate/ Sulfuric Acid <6> | 1-20/1-20 | | | | | | |
| Sodium Chlorate: Sodium Chloride | 34:20 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sodium Chloride | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sodium Chloride saturated solution (See Salt Brine) | Sat'd | | | | | | |
| Sodium Chloride with Chlorine (See Chlorinated Brine) | | | | | | | |
| Sodium Chloride/ Ethyl Vanillin | 0.1-25/1 | 50/120 | 50/120 | | | | |
| Sodium Chloride/ Magnesium Oxide/ Lime | 0.5-26/0.1-20/0.1-10 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sodium Chloride/ Sodium Hydroxide <1,2> | 0.5-10/0.1-2 | 80/180 | 65/150 | 40/100 | 80/180 | 65/150 | 50/120 |
| Sodium Chloride:Sodium Chlorate | 20:34 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | |
| Sodium Chlorite, pH < 6, see Chlorine Dioxide | | | | | | | |
| Sodium Chlorite, pH > 6, <5> | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Sodium Chlorite/ Sodium Hypochlorite, pH > 11, <2,3,9> | 0.1-25/0.1-15 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Sodium Chromate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sodium Cyanide | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | |
| Sodium Dichromate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sodium Dimethyldithiocarbamate/ Disodium Ethylene Bisdithiocarbamate | 0.1-15/0.1-15 | 40/100 | 40/100 | 50/120 | 40/100 | 50/120 | 40/100 |
| Sodium Diphosphate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sodium Dodecylbenzene Sulfonate | All | 70/160 | 70/160 | 70/160 | 70/160 | 70/160 | |
| Sodium Ferricyanide | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | |
| Sodium Ferrocyanide | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sodium Fluoride | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Sodium Fluoroborate <1> | > 0.5 | 95/200 | 95/200 | 95/200 | | | |
| Sodium Fluorosilicate <1> | All | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 |
| Sodium Gluconate | > 0.5 | 80/180 | 95/200 | 100/210 | 95/200 | 100/210 | 65/150 |
| Sodium Glycolate | > 0.5 | 80/180 | 95/200 | 100/210 | 80/180 | 95/200 | 65/150 |
| Sodium Hexametaphosphate | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Sodium Hydrosulfide (Sodium Bisulfide) | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Sodium Hydrosulfite | All | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |

Chemical Resistance Table: Maximum Service Temperatures for Derakane and Derakane Momentum™ Resins—continued

| Chemical Environment | Concentration % | 411 °C/°F | 441 °C/°F | 470 °C/°F | 510A/C °C/°F | 510N °C/°F | 8084 °C/°F |
|---|--------------------|---------------|---------------|---------------|--------------------------------|---------------|---------------|
| Sodium Hydroxide <1,2> | All | 80/180 | 65/150 | 40/100 | 80/180 | 65/150 | 65/150 |
| Sodium Hydroxide/ Sodium Bisulfite <1,2> | All | 80/180 | 65/150 | 40/100 | 80/180 | 65/150 | 65/150 |
| Sodium Hydroxide/ Sodium Chloride/ Sodium Sulfate/ Sodium Hypochlorite (active Chlorine) <2,3,5,9> | 1-20/1-15/1-8/0-15 | 80/180 | 65/150 | 40/100 | 80/180 | 65/150 | |
| Sodium Hydroxide/Organics (within solubility limits, i.e. no phase separation or coalescence) | 8/ traces | 80/180 | 65/150 | | | | |
| Sodium Hydroxide/Sodium Hypochlorite (active Chlorine) <1,2> | 0-20/0-0.1 | 80/180 | | | | | |
| Sodium Hypochlorite (active Chlorine), pH > 11, <2,3,5,9> | 0.5-5.25 | 65/150 | 65/150 | 40/100 | 80/180 | 65/150 | 65/150 |
| Sodium Hypochlorite (active Chlorine), pH > 11, <2,3,5,9,19> | 5.25-18 | 65/150 | 50/120 | | 65/150 | 50/120 | 65/150 |
| Sodium Hypochlorite (active Chlorine), pH > 11, <2,3,5,9,19> | 18-21 | | 40/100 | | 510A: 50/120; 510C:45/10 | | |
| Sodium Hypochlorite (active Chlorine), pH > 11, <2,3,5,9,19> | 21-25 | | | | 510A only: 40/100 | | |
| Sodium Lauryl Sulfate | All | 70/160 | 70/160 | 70/160 | 70/160 | 70/160 | |
| Sodium Metabisulfite | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sodium Methylthiocarbamate | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | |
| Sodium Monophosphate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sodium Myristyl Sulfate | All | 70/160 | 70/160 | 70/160 | 70/160 | 70/160 | |
| Sodium Nitrate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sodium Nitrite | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sodium Oxalate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sodium Perchlorate | 60 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 |
| Sodium Persulfate | All | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sodium Phosphate, mono-, di-, tribasic | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sodium Polyacrylate | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | |
| Sodium salt o-phenylphenate (Antimicrobial) | All | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | |
| Sodium Sarcosinate | 40 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | |
| Sodium Silicate <1> | > 0.5 | 80/180 | 80/180 | 65/150 | 80/180 | 65/150 | 80/180 |
| Sodium Sulfate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sodium Sulfate/ Sodium Sulfite | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sodium Sulfhydrate (See Sodium Hydrosulfide) | | | | | | | |
| Sodium Sulfide | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sodium Sulfite | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sodium Sulphite/ Sodium Hydroxide/ Toluene | 22/10/5 | 25/80 | 40/100 | 40/100 | 25/80 | 40/100 | NR |
| Sodium Tartrate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sodium Tetraborate | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Sodium Thiocyanate | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Sodium Thiosulfate | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Sodium Tripolyphosphate | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sodium Xylene Sulfonate | All | 70/160 | 70/160 | 70/160 | 70/160 | 70/160 | |
| Solder Plate (see Plating Chemicals) | | | | | | | |
| Solvent Extraction Solutions: 3% Isodecanol, 6% Amines tri-C8-C10-alkyl, 91% Kerosene | | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 65/150 |
| Solvent Extraction Solutions: 4% Trioctylphosphine Oxide (TOPO), 4% Di 2-Ethylhexyl Phosphoric Acid (DEHPA), 92% Kerosene | | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | |

Chemical Resistance Table: Maximum Service Temperatures for Derakane and Derakane Momentum™ Resins—continued

| Chemical Environment | Concentration % | 411 °C/°F | 441 °C/°F | 470 °C/°F | 510A/C °C/°F | 510N °C/°F | 8084 °C/°F |
|--|----------------------|--------------|--------------|--------------|-----------------|---------------|---------------|
| Sorbitol Solutions | All | 70/160 | 70/160 | 80/180 | 70/160 | 70/160 | |
| Sour Crude Oil (see crude oil) | | | | | | | |
| Soy (Soya) Sauce <18> | | 70/160 | 70/160 | | | | |
| Soya Oil <18> | 100 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 65/150 |
| Spearmint Oil <18> | 100 | 40/100 | 40/100 | | | | |
| Stannic Chloride | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Stannous Chloride | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Steam, dry, no condensation | | 100/210 | 105/220 | 105/220 | 100/210 | 105/220 | 80/180 |
| Steam, wet, condensation | | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Stearic Acid | All | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 65/150 |
| Styrene | 100 | NR | 40/100 | 50/120 | NR | 40/100 | NR |
| Styrene Acrylic Emulsion | All | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | |
| Styrene-Butadiene Latex | All | 60/140 | 60/140 | 60/140 | 60/140 | 60/140 | 60/140 |
| Succinonitrile, Aqueous | All | 25/80 | 40/100 | 40/100 | 25/80 | 40/100 | NR |
| Sugar / Sucrose <18> | All | 100/210 | 100/210 | | | | |
| Sugar Beet, Liquor <18> | All | 80/180 | 80/180 | | | | |
| Sugar Cane, Liquor & Sweetwater <18> | All | 80/180 | 80/180 | | | | |
| Sulfamic Acid | 0.5 - 10 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sulfamic Acid | 11 - 15 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 65/150 |
| Sulfamic Acid | 16 - 25 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 |
| Sulfamic/ Boric/ Glycolic Acid | 0.5-25/0.5-30/0.5-10 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | |
| Sulfanilic Acid (meta) | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sulfanilic Acid (para) <4,6> | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sulfate Process Noncondensable Gases (see Flue Gas) | | | | | | | |
| Sulfated Detergents (see Sulfonated Detergents) | | | | | | | |
| Sulfated Tall Oil Fatty Acid, see Tall Oil | 1-70 | | | | | | |
| Sulfides Scrubbing with Caustic, see Sodium Hydroxide | | | | | | | |
| Sulfite/Sulfate Liquors (Pulp Mill) | | 95/200 | 95/200 | 95/200 | 95/200 | 95/200 | 80/180 |
| Sulfonated Detergents | 100 | 70/160 | 80/180 | 80/180 | 70/160 | 80/180 | 70/160 |
| Sulfur Chloride | Fumes | 95/200 | 95/200 | 95/200 | 95/200 | 95/200 | 80/180 |
| Sulfur Chloride | 100 | NR | NR | LS | NR | NR | NR |
| Sulfur Dioxide, see Flue Gas | | | | | | | |
| Sulfur Trioxide, dry <6> | Fumes | | | | | | |
| Sulfur Trioxide, wet <6>, see Sulfuric Acid | | | | | | | |
| Sulfur, Molten (dry) <16> | 100 | | 120/250 | 150/300 | | 120/250 | |
| Sulfur, Wettable, Fungicide <4> | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Sulfuric / Nitric/ Phosphoric Acids | 0-13/0-11/0-30 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | |
| Sulfuric Acid | 0.5 - 25 | 100/210 | 105/220 | 105/220 | 100/210 | 105/220 | 80/180 |
| Sulfuric Acid | 26 - 50 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sulfuric Acid | 51 - 70 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Sulfuric Acid <15> | 71 - 75 | 40/100 | 50/120 | 80/180 | 40/100 | 50/120 | 40/100 |
| Sulfuric Acid <2,15> | 76 - 80/180 | 40/100 | 40/100 | 50/120 | 40/100 | 40/100 | |
| Sulfuric Acid <15> | > 80 | NR | NR | LS | NR | LS | NR |
| Sulfuric Acid/ Ammonium Bifluoride <1> | 0-75/0.1-3 | 40/100 | 50/120 | 65/150 | 40/100 | 50/120 | |
| Sulfuric Acid/ Copper Sulfate | 0-25/1-35 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | |
| Sulfuric Acid/ Copper Sulfate/ Sodium Persulfate/ EDTA | 13/12/1/1 | 55/130 | 55/130 | 55/130 | 55/130 | 55/130 | 55/130 |
| Sulfuric Acid/ Hydriodic Acid | 60/20 | 40/100 | 40/100 | 50/120 | 40/100 | 40/100 | |
| Sulfuric Acid/ Hydrofluoric Acid <1,2> | 25/10 | 40/100 | 45/110 | 50/120 | 40/100 | 40/100 | |
| Sulfuric Acid/ Hydrofluoric Acid <1,2> | 10/10 | 40/100 | 50/120 | 65/150 | 40/100 | 40/100 | |
| Sulfuric Acid/ Hydrogen Peroxide <3> | 1-20/1-10 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | |
| Sulfuric Acid/ Hydrogen Peroxide/ Ammonium Sulfate/ Copper Sulfate <3> | 10/5/5/5 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | |
| Sulfuric Acid/ Hydrogen Sulfide | 1-50/0-10 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sulfuric Acid/ Methanol | 30/5 | | 40/100 | 50/120 | | | |

Chemical Resistance Table: Maximum Service Temperatures for Derakane and Derakane Momentum™ Resins—continued

| Chemical Environment | Concentration % | 411 °C/°F | 441 °C/°F | 470 °C/°F | 510A/C °C/°F | 510N °C/°F | 8084 °C/°F |
|--|-----------------|-----------|-----------|-----------|--------------|------------|------------|
| Sulfuric Acid/ Nitric Acid | 20/5 | 65/150 | 80/180 | 80/180 | 65/150 | 80/180 | 65/150 |
| Sulfuric Acid/ Phosphoric Acid | 0-25/0-25 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Sulfuric Acid/ Sodium Chromate <6> | | | | | | | |
| Sulfuric Acid/ Sodium Dichromate, see Sulfuric Acid/Chromic Acid Mixture | | | | | | | |
| Sulfuric Acid/Hydrochloric Acid <8,9,13> | 50/15 | 40/100 | 45/110 | 50/120 | 40/100 | 50/120 | |
| Sulfuric Acid/Hydrochloric Acid <9,12> | 1-25/1-10 | 80/180 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sulfuric Acid/Hydrofluoric Acid <1,2> | 1-20/3-6 | 55/130 | 55/130 | 60/140 | 55/130 | 60/140 | 40/100 |
| Sulfuric Acid/Hydrofluoric Acid | 30-35/3-5 | LS | LS | LS | LS | LS | LS |
| Sulfuric Acid/Inorganic Salts | 0.5-20/0.5-50 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Sulfuric Acid/Inorganic Salts | 21-50/0.5-20 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Sulfuric Acid/Sulfate Salts, max. total concentration 80%, see Sulfuric Acid | | | | | | | |
| Sulfuric Acid: Chromic Acid Mixture (Maximum Total Concentration 10%) | | 50/120 | 65/150 | 65/150 | 50/120 | 65/150 | 50/120 |
| Sulfuric/ Hydrochloric/ Hydrofluoric / Phosphoric Acids/ Chlorinated Solvents | 40/20/5/35/1 | NR | NR | LS | NR | LS | NR |
| Sulfuric/ Hydrofluosilicic Acids/ MIBK <1,2> | 25/10/2 | LS | 40/100 | 50/120 | LS | 40/100 | |
| Sulfuric/ Lactic Acids/ Sodium Sulfate | 50/20/0-10 | 40/100 | 50/120 | 65/150 | 40/100 | 50/120 | 40/100 |
| Sulfurous Acid | 10 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 |
| Superphosphoric Acid (76% P2O5) (See Phosphoric acid) | 105% H3PO4 | | | | | | |
| Surfactant, Anionic | All | 40/100 | 50/120 | 50/120 | 40/100 | 40/100 | |
| Surfactant <6> | | | | | | | |
| Tall Oil (Storage) | 100 | 95/200 | 105/220 | 105/220 | 95/200 | 105/220 | |
| Tall Oil Reactor <6> | | 100/210 | 105/220 | 105/220 | 100/210 | 105/220 | |
| Tallow/ Sulfuric Acid | 99/1 | 80/180 | 80/180 | | | | |
| Tannic Acid | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 65/150 |
| Tap Water, hard <2> | All | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Tap Water, soft <2> | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Tartaric Acid | > 0.5 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 65/150 |
| t-Butyl Methyl Ether (MTBE) | 20 | 40/100 | 50/120 | 50/120 | 40/100 | 50/120 | 30/90 |
| t-Butyl Methyl Ether (MTBE) | 100 | NR | 25/80 | 25/80 | NR | 25/80 | NR |
| Tetrabutyltin | 100 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | |
| Tetrachloroethane | 100 | 40/100 | 50/120 | 55/130 | 40/100 | 50/120 | NR |
| Tetrachloroethylene (Perchloroethylene) | 100 | 25/80 | 40/100 | 50/120 | 25/80 | 50/120 | NR |
| Tetrachloropyridine | 100 | 25/80 | 50/120 | 50/120 | 25/80 | 50/120 | NR |
| Tetraethyl Orthosilicate | 100 | | | 40/100 | | | |
| Tetrahydrofuran | 0-5 | 40/100 | 40/100 | 50/120 | 40/100 | 50/120 | |
| Tetrahydrofuran | 10-100 | NR | NR | LS | NR | NR | NR |
| Tetrahydrofuran, Fumes, no condensation or coalescence | fumes | | | 80/180 | 80/180 | 80/180 | |
| Tetramethyl Ammonium Hydroxide <1> | 0-10 | 50/120 | 40/100 | | 50/120 | 40/100 | |
| Tetra-n-Butylammonium Hydroxide <1,2> | 40 | 40/100 | 40/100 | | 40/100 | 40/100 | |
| Tetra-n-Butylphosphonium Hydroxide, <1,2> | 40 | 40/100 | 40/100 | | 40/100 | 40/100 | |
| Tetrapotassium Pyrophosphate | 0-60 | 55/130 | 65/150 | 65/150 | 55/130 | 65/150 | 55/130 |
| Tetrasodium Ethylenediaminetetraacetic Acid (Tetrasodium Salt of EDTA) | All | 80/180 | 80/180 | 65/150 | 80/180 | 65/150 | 80/180 |
| Thermal Oxidizer (HCl Absorption), see Flue Gas, Wet | | | | | | | |
| Thioglycolic Acid, see Mercaptoacetic Acid | | | | | | | |
| Thionyl Chloride | 100 | NR | NR | LS | NR | NR | NR |
| Thiourea | 0-50 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 |
| Tin Fluoborate Plating Bath: 18% Stannous Fluoborate, 7% Tin, 9% Fluoboric Acid, 2% Boric Acid <1> | | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Titanium Dioxide | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Titanium Dioxide/ Sulfuric Acid | 0-30/30 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |

Chemical Resistance Table: Maximum Service Temperatures for Derakane and Derakane Momentum™ Resins—continued

| Chemical Environment | Concentration % | 411 °C/°F | 441 °C/°F | 470 °C/°F | 510A/C °C/°F | 510N °C/°F | 8084 °C/°F |
|---|-----------------|-----------|-----------|------------|--------------|------------|------------|
| Titanium Tetrachloride | All | 65/150 | 80/180 | 80/180 | 65/150 | 80/180 | |
| Tobias Acid (2-Naphthylamine-1-Sulfonic) <6> | 100 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | |
| Toluene | 100 | 25/80 | 40/100 | 50/120 | 25/80 | 40/100 | NR |
| Toluene Diisocyanate (TDI) <2> | 100 | NR | NR | 30/85 <6> | NR | NR | NR |
| Toluene Sulfonic Acid <6> | > 0.5 | 80/180 | 95/200 | 100/210 | 95/200 | 100/210 | |
| Toluene, Fumes, no condensation or coalescence | fumes | | 65/150 | 80/180 | 80/180 | 80/180 | |
| Toluidine (o-, p-, m-) | 100 | NR | NR | 20/70 | NR | NR | NR |
| Tomato Sauce | All | 90/190 | 90/190 | | | | |
| Transformer Oils (Ester types) | 100 | 50/120 | 65/150 | 65/150 | | 65/150 | |
| Transformer Oils (Silicone and Mineral Oils) <16> | 100 | 100/210 | 120/250 | 150/300 | 110/230 | 120/250 | |
| Tributyl Phosphate | 100 | 50/120 | 60/140 | 60/140 | 50/120 | 60/140 | 40/100 |
| Trichloroacetic Acid | 85 | 25/80 | 40/100 | 50/120 | 25/80 | 40/100 | 25/80 |
| Trichloroethane | 100 | 40/100 | 50/120 | 50/120 | 40/100 | 50/120 | NR |
| Trichloroethylene | 100 | NR | NR | LS | NR | NR | NR |
| Tricresyl Phosphate | 100 | 70/160 | 70/160 | 70/160 | 70/160 | 70/160 | |
| Triethanolamine | 100 | 50/120 | 50/120 | 65/150 | 50/120 | 50/120 | NR |
| Triethylamine | All | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | NR |
| Triethylamine/ Triethylamine Hydrochloride/ Hydrochloric Acid | 50/20/5 | 50/120 | 50/120 | 50/120 | 50/120 | 50/120 | NR |
| Triethylene Glycol, see Ethylene Glycol | | | | | | | |
| Trifluoroacetic Acid (see Chloroacetic Acid) | | | | | | | |
| Trimethyl Ammonium Chloride (Trimethylamine HCl, TMA-HCl) | 70 | 40/100 | 40/100 | 50/120 <7> | 40/100 | 40/100 | 40/100 |
| Trimethyl Benzene | 100 | 25/80 | 40/100 | 50/120 | 25/80 | 50/120 | NR |
| Trimethylamine | 20 | 40/100 | 50/120 | 50/120 | 40/100 | 50/120 | NR |
| Trimethylamine | 100 | 25/80 | 25/80 | 40/100 | 25/80 | 25/80 | |
| Trimethylamine, Fumes, no condensation or coalescence | fumes | | | 80/180 | 80/180 | 80/180 | |
| Trimethylene Chlorobromide | | NR | 25/80 | 40/100 | NR | 25/80 | NR |
| Trioctyl Phosphine Oxide: Di 2-Ethylhexyl Phosphoric Acid (DEHPA): Kerosene | 4:4:92 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | |
| Trioctylphosphate | 100 | 70/160 | 70/160 | 80/180 | 70/160 | 70/160 | 40/100 |
| Tripropylene Glycol, see Ethylene Glycol | | | | | | | |
| Trisodium Phosphate | Sat'd | 100/210 | 120/250 | 120/250 | 100/210 | 120/250 | 80/180 |
| Turpentine | 100 | 65/150 | 100/210 | 100/210 | 65/150 | 100/210 | 40/100 |
| Uranium Extraction, see Kerosene | | | | | | | |
| Urea | All | 70/160 | 70/160 | 70/160 | 70/160 | 70/160 | 65/150 |
| Urea Formaldehyde Resin | All | 40/100 | 50/120 | 50/120 | 40/100 | 50/120 | 40/100 |
| Urea: Ammonium Nitrate: Water | 35:44:20 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 | 65/150 |
| Urine, see Urea | All | | | | | | |
| Vanillin Black Liquor <18> | | 50/120 | 50/120 | | | | |
| Vinegar <18> | 100 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 65/150 |
| Vinyl Acetate | 20 | 40/100 | 40/100 | 40/100 | 40/100 | 40/100 | NR |
| Vinyl Acetate | 100 | NR | NR | LS | NR | NR | NR |
| Vinyl Chloride | 100 | NR | NR | LS | NR | NR | NR |
| Vinyl Chloride Fumes, no condensation | All | | | 80/180 | 80/180 | 80/180 | |
| Vinyltoluene | 100 | 25/80 | 50/120 | 50/120 | 25/80 | 50/120 | NR |
| Water Deionized <2> | 100 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Water Vapor, no condensation, see Flue Gas, dry | | | | | | | |
| Water Vapor, wet <2> | Sat'd | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Water, Distilled <2> | 100 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Water, Phenol, see Phenol | | | | | | | |
| Water, Sea, Desalination | All | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Water, Steam Condensate <2> | 100 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |

Chemical Resistance Table: Maximum Service Temperatures for Derakane and Derakane Momentum™ Resins—continued

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|---|-----------------|-----------|-----------|-----------|--------------|------------|------------|
| Water, Tap, hard <2> | 100 | 100/210 | 100/210 | 100/210 | 100/210 | 100/210 | 80/180 |
| Water, Tap, soft <2> | 100 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Whey | All | 65/150 | 65/150 | | | | |
| White Liquor (Pulp Mill) <1,2> | All | 80/180 | 80/180 | 40/100 | 80/180 | 80/180 | 80/180 |
| Xylene | 100 | 25/80 | 40/100 | 50/120 | 25/80 | 50/120 | NR |
| Xylene, Fumes, no condensation or coalescence | Fumes | | 65/150 | 80/180 | 80/180 | 80/180 | |
| Xylene/ Methyl Ethyl Ketone/ Butyl Acetate/ Methyl Acetate | 50/20/20/10 | NR | NR | LS | NR | NR | NR |
| Zinc Chloride | Sat'd | 100/210 | 120/250 | 120/250 | 100/210 | 120/250 | 80/180 |
| Zinc Cyanide Plating Bath, 9% Zinc and 4% Sodium Cyanides, 9% Sodium Hydroxide <1,2> | | 80/180 | 80/180 | 40/100 | 80/180 | 80/180 | 80/180 |
| Zinc Electrolyte (Zinc Sulfate, 35g/l Sulfuric Acid), see Sulfuric Acid | | | | | | | |
| Zinc Fluoborate Plating Bath, 49% Zinc Fluoborate; 5% Ammonium Chloride, 6% Ammonium Fluoborate <1> | | 95/200 | 95/200 | 95/200 | 95/200 | 95/200 | 80/180 |
| Zinc Nitrate | Sat'd | 100/210 | 120/250 | 120/250 | 100/210 | 120/250 | 80/180 |
| Zinc Phosphate (slurry) | > 0.5 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 | 80/180 |
| Zinc Sulfate | Sat'd | 100/210 | 120/250 | 120/250 | 100/210 | 120/250 | 80/180 |

Notes
