

Certain chemicals that may exist in end-user locations release airborne contaminants that can impact the integrity and safety of key fixture components that contain acrylic or polycarbonate material. Immediate damage may occur such as crazing, cracking, permeation losses and mechanical failure. Products with visually noticeable deterioration have diminished integrity and must be replaced immediately with a more suitable product for the application.

The following tables identify the most common chemicals and is not intended to be all-inclusive. Exposure to compounds identified as "Not Acceptable" will void all warranties associated with the product. Acrylic or polycarbonate components should not be used in areas where these chemicals are used and where these chemicals become mists or airborne vapors. Ensure that chemical interactions are considered when selecting fixtures. For additional information please consult an authorized factory representative.

The statements, technical information and recommendations obtained herein are believed to be accurate as of June 1, 2009. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, Acuity Brands Lighting expressly disclaims any and all liability. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The user should thoroughly test any application before commercialization.

Rating is based on visual appearance at ambient temperature 68°F, 50% humidity. Consult factory where applicable. All technical information is believed to be accurate as of June 1, 2009.

ACRYLIC ENVIRONMENTAL COMPATIBILITY

| NOT ACCEPTABLE | | |
|----------------------------------|-----------------------------|------------------------------|
| Acetaldehyde | Cinnamon Oil | Methyl Salicylate |
| Acetates | Cloves | Methylamine |
| Acetic Acid, 50%+ | Cosmoline Removers | Methylene Dichloride |
| Acetic Anhydride | Cresol | Mineral Oil @ 40°C+ |
| Acetone | Cyclohexane | Nail Polish |
| Acetonitrile | Cyclohexanone | Naphtha |
| Acetophenone | Cyclohexene | n-butyric Acid, 100% |
| Acrylic Paints | Diacetone Alcohol | Nitric Acid, 40%+ |
| Alcohol, Allyl | Diamyl Phthalate | Nitrobenzene |
| Alcohol, Amyl | Dibutyl Sebacate | Nitrocellulose |
| Alcohol, Benzyl | Diethyl Ether | n-Octane |
| Alcohol, Butyl (Butanol) | Dimethyl Formamide | Oleum |
| Alcohol, Ethyl (Ethanol), 50%+ | Diethyl Sebacate | Organic Solvents |
| Alcohol, Isopropyl | Dioxane | Paint Removers |
| Alcohol, Methyl (Methanol), 10%+ | Ether | Paint Thinner |
| Aluminum Hydroxide | Ethyl Acetate | Perchlorethylene |
| Amyl Acetate | Ethyl Bromide | Petroleum Ether (100-120°C) |
| Ammonia @ 40°C+ | Ethyl Butyrate | Phenols |
| Aniline | Ethylene Bromide | Phosphoric Acid, 95% |
| Aromatic Solvents | Ethylene Chloride | Phosphoric Trichloride |
| Aviation Fuel (100 Octane) | Ethylene Dibromide | Phthalates |
| Benzaldehyde | Ethylene Oxide (Moist) | Pyridine |
| Benzene | Fluorides | Salicylic Acid |
| Benzoic Aldehyde | Formic Acid | Silicon Tetrachloride |
| Bituminous Emulsions | Fuels w/ Benzene (Gasoline) | Sodium Phosphate |
| Brake Fluid | Glycol | Sulfoxides |
| Bromine Gas | Hydrofluoric Acid | Sulfur Dioxide, Liquid |
| Butraldehyde | Hydrochloric Acid, 40%+ | Sulfuric Acid, 65% @ 40°C+ |
| Butyl Acetyl Ricinoleate | Hydrogen Peroxide, 40%+ | Sulfurous Acid, Concentrated |
| Butyl Lactate | Iron Perchloride | Tincture of Iodine, 5% |
| Butyl Stearate | Isocane | Toluene |
| Carbolic Acid | Ketones | Transformer Oil |
| Carbon Disulfide | Lacquer Thinner | Trichloroethane |
| Carbon Tetrachloride | Lactic Acid Butyl Ester | Trichloroacetic Acid |
| Cellulose Paints | Mercury Chloride | Trichloroethylene |
| Chlorinated Hydrocarbons | Meta-Cresol | Turpentine |
| Chlorinated Solvents | Methyl Benzoate | Vegetable Oil |
| Chlorine Gas | Methyl Chloride | Xylene |
| Chlorophenol | Methyl Cyclohexanol | |
| Chromic Acid | Methyl Naphthalene | |

Acrylic & Polycarbonate Compatibility

| ACCEPTABLE | | |
|--------------------------------|---------------------------|----------------------------|
| 2-Ethylhexyl Sebacate | Fruit Juice | Potassium Chlorate |
| Acetic Acid, 5% | Glycerol (Glycerine) | Potassium Cyanide |
| Ammonia-Based Cleaners @ 25°C | Heptane | Potassium Dichromate, 10% |
| Ammonia @ 25°C | Hexane | Potassium Hydroxide @ 25°C |
| Ammonium Hydroxide, 28% | Hydrochloric Acid, 38% | Potassium Permanganate |
| Ammonium Nitrate | Hydrogen Peroxide, 30% | Potassium Sulfite |
| Ammonium Phosphate | Hydrogen Sulfide | Power Steering Fluid |
| Aniseed, Bay Leaves, Nutmeg | Kerosene | Propylene |
| Anti-freeze | Lactic Acid, 20% | Pure-oil Paints |
| Beer | Metal Carbonates | Silicone Oil |
| Bleaching Powder Paste | Metal Chlorides | Silver Nitrate |
| Bleaching Powder Solution, 5% | Metal Sulfates | Soap Suds |
| Butane | Methane Gas | Sodium Chloride, 10% |
| Calcium Hypochlorite | Milk | Sodium Cyanide |
| Car Wash Detergent | Motor Oil | Sodium Fluoride |
| Carbon Dioxide Gas | Natural Gas | Sodium Hydroxide, 60% |
| Carbon Monoxide Gas | Nitric Acid, 20% | Sodium Hypochlorite, 15% |
| Caustic Potash | Nitric Oxide | Sodium Nitrate |
| Chlorine Based Cleaners @ 25°C | Nitrogen Dioxide Gas | Sodium Thiosulphate, 40% |
| Chlorine, Aqueous, 2% | Nitrogen Monoxide Gas | Stearic Acid |
| Citric Acid, 20% | Olefinic Carboxylic Acids | Sulfur Dioxide, Dry Gas |
| Coffee (Unflavored) | Oleic Acid | Sulfuric Acid, 30% @ 25°C |
| Cooking Oil | Olive Oil | Sulfurous Acid, 5% |
| Cottonseed Oil | Oxalic Acid, 100% | Tartaric Acid, 50% |
| Diethylene Glycol | Oxygen Gas | Transmission Fluid |
| Epoxy Adhesives | Ozone Gas | Tricresyl Phosphate |
| Ethyl Alcohol, 15% | Paraffin, Medicinal | Triethyl Amine |
| Ethylene Glycol | Pepper, Onions | Vinegar |
| Ethylene Oxide (Dry) | Phosphoric Acid, 10% | Wax Polish |
| Ferric Chloride, Aqueous, 10% | Photographic Baths | Whitewash |
| Formaldehyde, Aqueous, 40% | Polishing Compounds | Wine |

Acrylic & Polycarbonate Compatibility

POLYCARBONATE ENVIRONMENTAL COMPATIBILITY

| NOT ACCEPTABLE | | |
|---------------------------------|-----------------------------|------------------------------|
| Acetaldehyde, 100% | Chromic Acid | Methylene Dichloride |
| _Acetates | Clove Oil | Mineral Oil @ 40°C+ |
| Acetic Acid, Glacial, 100% | Cosmoline Removers | Mineral Spirits |
| Acetic Anhydride | Cresol | Nail Polish |
| Acetone | Cutting Fluids and Oils | Naphtha (Petroleum Ether) |
| Acetonitrile | Cyclohexanone | Naphthenic Acids |
| Acetophenone | Cyclohexene | n-butyric Acid, 100% |
| Alcohol, Allyl | Diethyl Phthalate | Nitric Acid, 25%+ |
| Alcohol, Amyl | Dibutyl Sebacate | Nitrobenzene |
| Alcohol, Benzyl | Diethyl Ether | n-Octane |
| Alcohol, Ethyl (Ethanol), 50% | Dimethyl Formamide | Oleum |
| Alcohol, Isopropyl, 100% | Diethyl Sebacate | Paint Removers |
| Alcohol, Methyl (Methanol), 50% | Dioxane | Paint Thinner |
| Aluminum Hydroxide | Ether | Perchloroethylene |
| _Amines | Ethyl Acetate | Phenols |
| Ammonia | Ethyl Alcohol, Concentrated | Phenol, Aqueous, 5% |
| Ammonium Hydroxide | Ethyl Bromide | _Phthalates |
| Amyl Acetate | Ethyl Butyrate | Potassium Hydroxide (Potash) |
| Aniline | Ethylene Bromide | Propane |
| Aromatic Hydrocarbons | Ethylene Dibromide | Pyridine |
| Aviation Fuel | Ethylene Oxide | Sodium Hydroxide |
| Benzaldehyde | Freon | Sodium Hypochlorite, 30% |
| Benzene | Fuels w/ Benzene (Gasoline) | Sodium Nitrate |
| Benzoic Aldehyde | Glass Cleaners | Sodium Sulfide |
| Brake Fluid | Hydrochloric Acid, 25%+ | _Sulfoxides |
| Bromine | Hydrofluoric Acid | Sulfur Dioxide |
| Butadiene | Hydrogen Peroxide, 40%+ | Sulfuric Acid, 70%+ |
| Butane | Isocane | Sulfurous Acid |
| Butyl Acetyl Ricinoleate | Kerosene | Tea |
| Butyl Stearate | _Ketones | Tincture of Iodine, 5% |
| Calcium Hypochlorite | Lacquer Thinner | Toluene |
| Carbolic Acid | Lactic Acid Butyl Ester | Transformer Oil |
| Carbon Disulfide | Meta-Cresol | Trichloroacetic Acid |
| Carbon Tetrachloride | Methyl Benzoate | Trichloroethane |
| Cellulose Paints | Methyl Chloride | Trichloroethylene |
| Chlorinated Hydrocarbons | Methyl Cyclohexanol | Triethanolamine |
| Chlorinated Solvents | Methyl Ethyl Ketone | Turpentine |
| Chlorine | Methyl Naphthalene | Urea |
| Chlorophenol | Methyl Salicylate | Xylene |
| Diacetone Alcohol | Methylamine | |

| ACCEPTABLE | | |
|---------------------------------|---------------------------|--------------------------|
| Acetic Acid, 5% | Hydrochloric Acid, 15% | Silicone Oil |
| Ammonium Chloride | Hydrogen Peroxide, 30% | Silver Nitrate |
| Ammonium Phosphate | Lactic Acid, 20% | Soap Solutions |
| Ammonium Sulfate | Linseed Oil | Sodium Bicarbonate |
| Aniseed, Bay Leaves | Metal Carbonates | Sodium Chlorate |
| Anti-freeze | Metal Chlorides | Sodium Chloride, 10% |
| Beer | Metal Sulfates | Sodium Hypochlorite, 15% |
| Benzoic Acid | Methane Gas | Sodium Peroxide |
| Bleaching Powder Solution, 2% | Milk | Sodium Thiosulphate, 40% |
| Boric Acid, 10% | Mineral Oil @ 25°C | Stearic Acid |
| Car Wash Detergent | Motor Oil | Sulfur Dioxide, Dry Gas |
| Carbon Dioxide | Natural Gas | Sulfuric Acid, 30% |
| Carbon Monoxide | Nitric Acid, 10% | Sulfurous Acid, 5% |
| Carbonic Acid | Nitrogen Dioxide Gas | Tannic Acid, 10% |
| Chlorine-base Cleaners (Clorox) | Oleic Acid | Tartaric Acid, 50% |
| Cinnamon, Onions | Olive Oil | Transmission Fluid |
| Citric Acid, 10% | Oxalic Acid, 100% | Tripropylene Glycol |
| Cooking Oil | Oxygen | Vegetable Oils |
| Cottonseed Oil | Paraffin, Medicinal | Vinegar |
| Cyclohexane | Phosphoric Acid, 30% | Water, Mineral Water |
| Diethylene Glycol | Photographic Baths | Wax Polish |
| Epoxy Adhesives | Polishing Compounds | Wine |
| Ethyl Alcohol, 15% | Potassium Bromate | Zinc Sulfate |
| Ethylene Glycol E | Potassium Bromide | |
| Fatty Acids @ 25°C | Potassium Chlorate | |
| Ferric Chloride, Aqueous, 10% | Potassium Dichromate, 10% | |
| Formaldehyde, Aqueous, 40% | Potassium Permanganate | |
| Fruit Juice | Potassium Sulfate | |
| Glycerol, Glycerine | Power Steering Fluid | |
| Heptane | Propylene | |
| Hexane @ 25°C | Salicylic Acid @ 25°C | |