



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 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.

This table identifies 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 components should not be used in areas where these chemicals are used and where these

Catalog Number	
Notes	Type

Acrylic Compatibility

chemicals become mists or airborne vapors. Ensure that chemical interactions are considered when selecting fixtures. For additional information please consult an authorized factory representative.

NOT ACCEPTABLE		
Acetaldehyde, 100%	Diamyl Phthalate	Petroleum Ether
Acetates	Dibutyl Sebacate	(100-120C)
Acetic Acid, Glacial, 100%	Diethyl Ether	Phenois
Acetic Anhydride	Dimethyl Formamide	Phenol, Aqueous, 5%
Acetone	Dioctyl Sebacate	Phosphoric Acid,
Acetonitrile	Dioxane	95% @ 20C
Acetophenone	Ether	Phthalates
Acrylic Paints	Ethyl Acetate	Pyridine
Alcohol, Allyl	Ethyl Alcohol, Concentrated	Soap Solution
Alcohol, Amyl	Ethyl Bromide	Sodium Carbonate, 2%
Alcohol, Benzyl	Ethyl Butyrate	Sodium Carbonate,
Alcohol, Ethyl, 100%	Ethylene Bromide	20%
Alcohol, Ethyl, 50%	Ethylene Dibromide	Sodium Phosphate
Alcohol, Isopropyl, 100%	Ethylene Oxide (Moist)	Sulfur Dioxide, Liquid
Alcohol, Methyl, 10%	Glass Cleaners	Sulfuric Acid, 98%
Alcohol, Methyl, 100%	Glycol	Sulfurous Acid,
Alcohol, Methyl, 50%	Hydrogen Peroxide, 28%	Concentrated
Alcohol, N-Butyl	Hydrogen Peroxide, 3%	Tea
Amyl Acetate	Iron Perchloride	Tincture of Iodine, 5%
Aniline	Isoctane	Toluene
Aviation Fuel (100 Octane)	Isopropyl Alcohol	Transformer Oil
Bathroom Cleaners	Lacquer Thinner	Trichloroethane
Benzaldehyde	Lactic Acid Butyl Ester	Trichloroacetic Acid
Benzene	Mercury Chloride	Trichloroethylene
Benzoic Aldehyde	Meta-Cresol	Turpentine
Brake Fluid	Methanol, 15%	Unleaded Gasoline
Bromine Gas	Methanol, Concentrated	Vegetable Oil
Butanol	Methyl Benzoate	Xylene
Butraldehyde	Methyl Chloride	
Butyl Acetyl Ricinoleate	Methyl Cycohexanol	
Butyl Stearate	Methyl Ethyl Ketone	
Carbolic Acid	Methyl Naphthalene	
Carbon Disulfide	Methyl Salicyclate	
Carbon Disulfide	Methylamine	
Cellulose Paints	Methylene Dichloride	
Chlorinated Hydrocarbons	Mineral Oil	
Chlorinated Solvents	Motor Fuel Mixture,	
Chlorine Gas	with Benzene	
Chlorophenol	Nail Polish	
Chromic Acid, 40%	Naphtha	
Cloves	N-Butyric Acid, 100%	
Coffee	Nitric Acid, 40%	
Cosmoline Removers	Nitric Acid, 70%	
Cresol	Nitrobenzene	
Cyclohexane	N-Octane	
Cyclohexanone	Paint Removers	
Cyclohexene	Paint Thinner	
Detergent Solution	Perchlorethylene	
Diacetone Alcohol		

ACCEPTABLE	
2-Ethylhexyl Sebacate	Nitrogen Monoxide Gas
Acetic Acid 5%	Olefric Carbolic Acids
Ammonia-based Cleaners	Oleic Acid
Ammonia Gas	Olive Oil
Ammonium Hydroxide, 28%	Oxalic Acid, 100%
Ammonium Nitrate	Oxygen Gas
Ammonium Phosphate	Ozone Gas
Aniseed, Bay Leaves, Nutmeg	Paraffin, Medicinal
Anti-freeze	Pepper, Cinnamon, Onions
Beer	Phosphoric Acid, 10%
Bleaching Power Paste	@ 20C
Bleaching Powder Solution, 2%	Photographic Baths
Calcium Hypochlorite	Polishing Compounds
Car Wash Detergent	Potassium Chlorate
Carbon Dioxide Gas	Potassium Cyanide
Carbon Monoxide Gas	Potassium Dichromate,
Caustic Potash	10%
Chlorine Based Cleaners	Potassium Hydroxide
Chlorine, Aqueous, 2%	@ 20C
Citric Acid, 10%	Potassium Permanganate
Coffee	Potassium Sulfite
Cooking Oil	Power Steering Fluid
Cottonseed Oil	Propylene
Diethylene Glycol	Pure-oil Paints
Epoxy Adhesives	Silicone Oil
Ethyl Alcohol, 15%	Silver Nitrate
Ethylene Glycol E	Soap Suds
Ethylene Oxide (Dry)	Soda
Ferric Chloride, Aqueous, 10%	Sodium Chloride, 10%
Formaldehyde, Aqueous, 40%	Sodium Cyanide
Fruit Juice	Sodium Fluoride
Glycerol	Sodium Hydroxide, 60%
Heptane	Sodium Nitrate
Hexane	Sodium Thiosulphate, 40%
Hydrochloric Acid, 38%	Stearic Acid
Kerosene	Sulfur Dioxide, Dry Gas
Lactic Acid	Sulfuric Acid, 30%
Metal Carbonates	Sulfurous Acid, 5%
Metal Chlorides	Tararic Acid, 50%
Metal Sulfates	Transmission Fluid
Methane Gas	Tricresyl Phosphate
Milk	Triethyl Amine
Milk, Chocolate	Vinegar
Motor Fuel Mixture, without	Water, Mineral Water
Benzene	Wax Polish
Motor Oil	White Spirit
Natural Gas	Whitewash
Nitric Acid, 10%	Wine
Nitrogen Dioxide Gas	

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.

Acrylic Compatibility

