

Type No. _____

Catalog No. _____

Job. Name _____

Acrylic Compatibility

for Select Refractors, Reflectors and Sockets

Chemicals may be in use at end-user facilities that adversely affect acrylic materials used in light fixtures. These contaminants, when in an airborne state, can impact the safety and integrity of fixture components. Fixture damage may occur as cracking, permeation, crazing and general mechanical failure, and should be immediately replaced with luminaires more suitable to the application.

Exceline has developed a table of the most common chemicals used in commercial and industrial applications. While this list is not all-inclusive, Exceline products with acrylic components should not be used in areas where NON COMPLIANT chemicals may become airborne vapors or mists. Exposure to these compounds identified as NON COMPLIANT will void all warranties associated with the product. Always be sure that chemical interactions are taken into consideration when selecting lighting fixtures, and contact an authorized factory representative for more information.

NON-COMPLIANT CHEMICALS

Acetaldehyde, 100%
Acetates
Acetic Acid, Glacial, 100%
Acetic Anhydride
Acetone
Acetonitrile
Acetophenone
Acrylic Paints
Alcohol, Allyl
Alcohol, Amyl
Alcohol, Benzyl
Alcohol, Ethyl, 100%
Alcohol, Ethyl, 50%
Alcohol, Isopropyl, 100%
Alcohol, Methyl, 10%
Alcohol, Methyl, 100%
Alcohol, Methyl, 50%
Alcohol, N-Butyl
Amyl Acetate
Aniline
Aviation Fuel (100 Octane)
Bathroom Cleaners
Benzaldehyde
Benzene
Benzoic Aldehyde
Brake Fluid
Bromine Gas
Butanol
Butraldehyde
Butyl Acetyl Ricinoleate
Butyl Stearate
Carbolic Acid
Carbon Disulfide
Carbon Disulfide
Cellulose Paints
Chlorinated Hydrocarbons
Chlorinated Solvents
Chlorine Gas
Chlorophenol
Chromic Acid, 40%
Cloves

Coffee
Cosmoline Removers
Cresol
Cyclohexane
Cyclohexanone
Cyclohexene
Detergent Solution
Diacetone Alcohol
Diamyl Phthalate
Dibutyl Sebacate
Diethyl Ether
Dimethyl Formamide
Dioctyl Sebacate
Dioxane
Ether
Ethyl Acetate
Ethyl Alcohol, Concentrated
Ethyl Bromide
Ethyl Butyrate
Ethylene Bromide
Ethylene Dibromide
Ethylene Oxide (Moist)
Glass Cleaners
Glycol
Hydrogen Peroxide, 28%
Hydrogen Peroxide, 3%
Iron Perchloride
Isoctane
Isopropyl Alcohol
Lacquer Thinner
Lactic Acid Butyl Ester
Mercury Chloride
Meta-Cresol
Methanol, 15%
Methanol, Concentrated
Methyl Benzoate
Methyl Chloride
Methyl Cyclohexanol
Methyl Ethyl Ketone
Methyl Naphthalene
Methyl Salicylate

Methylamine
Methylene Dichloride
Mineral Oil
Motor Fuel Mixture, with Benzene
Nail Polish
Naphtha
N-Butyric Acid, 100%
Nitric Acid, 40%
Nitric Acid, 70%
Nitrobenzene
N-Octane
Paint Removers
Paint Thinner
Perchloroethylene
Petroleum Ether (100-120C)
Phenols
Phenol, Aqueous, 5%
Phosphoric Acid, 95% @ 20C
Phthalates
Pyridine
Soap Solution
Sodium Carbonate, 2%
Sodium Carbonate, 20%
Sodium Phosphate
Sulfur Dioxide, Liquid
Sulfuric Acid, 98%
Sulfurous Acid, Concentrated
Tea
Tincture of Iodine, 5%
Toluene
Transformer Oil
Trichloroethane
Trichloroacetic Acid
Trichloroethylene
Turpentine
Unleaded Gasoline
Vegetable Oil
Xylene

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COMPLIANT CHEMICALS

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

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