

POLYCARBONATE COMPATIBILITY DATA

Harmful Chemicals

Listed below are some of the more common chemicals known to harm polycarbonate. The severity of harm will depend upon the agent, the concentrations and the duration of exposure.

CAUTION: Use of metal bowls is recommended in installations where exposure to these chemicals or their vapors may be expected.

Acetaidehyde	Carbon Tetrachloride	Ethylene Chlorohydrin	Phenol
Acetic Acid (concentrated)	Caster Oil - Hydrogen	Ethylene Dichloride	Phosphorous Hydroxy Chloride
Acetic Anhydride	Caustic Potash Solution (5%)	Formic Acid (concentrated)	Phosphorous Trichloride
Acatone	Caustic Soda Solution (5%)	Freon (refrigerant & Propellant)	Propionic Acid
Acrylonitrile	Chlorobenzene	Gasoline (High Aromatic)	Pyridine
Ammonia	Chloroform	Hilgard Co.'s Hil-Phene	Sodium Hydroxide
Ammonium Carbonate	Chlorothene	Hydrazine	Sodium Sulfide
Ammonium Fluoride	Cresol	Hydrochloric Acid (concentrated)	Styrene
Ammonium Hydrox 10%	Cychlohexanol	Lacquer Thinner	Sulfuric Acid (concentrated)
Ammonium Sulfide	Cyclohexanol	Methyl Alcohol	Sulphural Chloride
Benzene	Cyclohexanone	Methylene Chloride	Tannergas
Benzoic Acid	Cyclohexene	Methyl Ethyl Ketone	Tetrahydronaphthalene
Benzyl Alcohol	Dichlorobenzene	Methyl Salicylate	Thiophene
Brake Fluid	Dimethyl Formamide	Milk of Lime (CaOH)	Toluene
Bromobenzene	Dioxane	Nitric Acid (concentrated)	Trichloroethylene
Butyric Acid	Ethane Tetrachloride	Nitrobenzene	Turpentine
Carbolic Acid	Ethyl Alcohol	Nitrocellulose Lacquer	Varnish
Carbon Bisulfite	Ethyl Ether	Ozone 1%	Xylene
Carbon Disulfide	Ethylamine	Perchloroethylene	Perchloroethylene
			Others (Partial List)

Harmful Compressor Oils & Other Materials

Some oils used in air compressors contain chemicals harmful to polycarbonate bowls, if not adequately filtered at the compressor. The most common of these oils, in addition to other harmful material, are listed below.

CAUTION: Compounded oils containing graphite and fillers are not recommended for use with air line lubricators. Oil containing phosphate esters should not be used with polycarbonate lubricator bowls.

COMPRESSOR OILS

Cellulube No. 150 & 220
Haskel No. 568-023
Houghton & Co. Oil
No. 1120, No. 1130, No. 1055
Houtosafe 1000
Kano Kroil
Keyston Penetrating Oil
No. 2 & No. 500 Oils
Marvel Mystery Oil

COMPRESSOR OILS

Phrano
Pydraul AC
Sears Regulator Motor Oil
Sinclair Oil "Lily White"
Skydrol
Tenneco Anderol No. 495

OTHER MATERIALS

Garlock No. 98403 (Polyurethane)
Parco No. 3106 (Neoprene)
Some Loctite Compounds
Stillman No. SR269-75 (Polyurethane)
Stillman No. SR513-70 (Neoprene)

PRODUCT WARNING!

WARNING! The Arrow Pneumatics, Inc. products contained in this catalog are approved for use with breathing air or life support systems only when they are properly installed in conjunction with equipment that meets all applicable federal, state and local laws, codes, rules and regulations. These codes include, but are not limited to:

O.S.H.A. 29CFR1910, 134
Compressed Gas Association Commodity Specification G-7
1-1966 Grade D Breathing Air and/or Canadian Standards Association
NFPA-99

If the purchaser or user fails to apply such specialized equipment and proceeds to use Arrow Pneumatics, Inc. products for breathing air service, the purchaser/user assumes all resulting liability without any responsibility or liability assumed by Arrow Pneumatics, Inc.