

## SAFEST CHEMICAL CHART

COFRA boasts one of the most advanced laboratories in the safety world. Within its walls, continuous quality checks on materials are conducted and tests on all components are carried out, with particular attention to their features in terms of mechanics, hydrolysis and resistance to aggressive agents. The SAFEST compound is the result of an in-depth research and a specialized know-how and is able to satisfy any demand of work environments.

HYDROCARBONS (oils and solvents)	POLYURETHANE
Turpentine	1
ASTM 1 OIL	3
ASTM 2 OIL	1
ASTM 3 OIL	3
Benzene	X
Butane	2
Kerosene (domestic)	2
Cyclohexane	3
Chloroform	X
Benzyl Chloride	X
Methylene Chloride	X
Hexane	2
Diesel oil (cracking)	2
Diesel oil (SR)	3
Grease (all kinds)	3
Isoctane	2
Methyl Chloride	X
Oil mixture	3
Nitrobenzene	X
Animal oil	3
Coconut oil	2
Cod-liver oil	3
Linseed oil	2
Corn oil	3
Olive oil	2
Pine oil	2
Castor oil	2
Cottonseed oil	3
Silicone oil	3
Lard oil (158 °F)	2
Hydraulic oil	3
Mineral oil	2
Vegetable oil	2
Perchloroethylene	X
Propane	2
Beef tallow (158 °F)	3
Carbon tetrachloride	1
Toluene	X
Trichloroethylene	X
Xilene	X

MIXTURES	POLYURETHANE
Sea water	3
Acrylonitrile	1
Starch	3
Aniline	X
Butter (158 °F)	2
Milk butter	3
Chlorobenzene	X
Chlorophenol	1
Cresol	X
Dibenzylether	1
Dichlorobenzene	X
Ethylether	2
Sodium hypochlorite	1
Milk	1
Monoethanolamine	1
Morpholine	X
Hydrogen peroxide	2
Soap	3
Paint remover	X

ALCOHOLS	POLYURETHANE
Amyl alcohol	1
Benzyl alcohol	1
Butyl alcohol	1
Ethyl alcohol	1
Methyl alcohol	1
Octyl alcohol	1
Propyl alcohol	1
Diacetone alcohol	1
Glycerine	3
Diethanolamine	2

SALTS AND ALKALIES	POLYURETHANE
Potassium dichromate	2
Ammonium chloride	2
Calcium chloride	3
Potassium chloride	3
Sodium chloride	3
Ferric chlorid	2
Cupper chloride	2
Ammonium hydroxide	1
Calcium hydroxide	2
Potassium hydroxide	1
Sodium hydroxide	2
Sodium hypochlorite 20%	X
Calcium nitrate	3
Potassium nitrate	2
Ferric nitrate	3
Ammonium sulphate	3
Potassium sulphate	2
Copper sulphate	2
Ferric sulphate	3
Calcium sulphate	2
Calcium sulphide	2

ALDEHYDES AND KETONES	POLYURETHANE
Acetaldehyde	X
Acetone	X
Benzaldehyde	X
Butyraldehydee	X
Chloracetone	X
Formaldehyde	1
Methyl ethyl Ketone	X

INORGANIC ACIDS	POLYURETHANE
Acetic acid	1
Boric acid	2
Citric acid	1
Carbolic acid	1
Formic acid	2
Malic acid	1
Tartaric acid	X
Oleic acid	X
Palmitic acid	1
Stearic acid (158 °F)	1
Tannic acid	X
Chlorine water	1

ORGANIC ACIDS	POLYURETHANE
Acetic acid	1
Boric acid	2
Citric acid	3
Carbolic acid	1
Formic acid	1
Malic acid	2
Tartaric acid	2
Oleic acid	1
Palmitic acid	2
Stearic acid (158°F)	2
Tannic acid	3

ORGANIC ESTERS	POLYURETHANE
Amyl acetate	X
Butyl acetate	X
Ethyl acetate	X
Dibutyl phtalate	1
Ethyl formate	1
Methyl acetate	X
Propyl acetate	X

### LEGEND

EXCELLENT	3
GOOD	2
FAIR	1
NOT RECOMMENDED	X