

# Assessment of Chemical Compatibility

## KLINGERSIL<sup>®</sup>

The information in this chart should only be used as a general rule to the selection of a suitable material.

A: Generally suitable.\*

B: Generally suitable with sufficient surface stress – do not expose to free immersion.\*

C: Critical application – do not use without contacting manufacturer.

\*= When proper assembly rules are followed.

	4201	4300 4401	4408 4409	4324	4433 4430	4439	4500	4509	5400	6327 6400	7400	8200
Dye Liquors (Alkaline, Neutral, Acid)	B	A	A	B	A	C	A	C	A	A	A	A
Ethane	A	A	C	A	B	C	A	C	A	A	A	A
Ethyl Acetate	B	B	B	B	B	B	B	B	B	B	B	B
Ethyl Alcohol (Ethanol)	A	A	A	A	A	A	A	A	A	A	A	A
Ethyl Chloride	B	B	B	B	B	B	B	B	B	C	C	B
Ethylene	A	A	C	A	A	C	A	C	A	A	A	A
Ethylene Chloride	C	C	C	C	C	C	C	C	B	B	A	A
Ethylene Glycol	A	A	A	A	A	A	A	A	A	A	A	A
Ethyl Ether	B	A	C	A	B	C	A	C	A	B	B	A
Freon 12	A	A	A	A	A	C	A	C	A	C	C	A
Freon 22	B	A	C	A	B	C	A	C	A	C	C	A
Formaldehyde	A	A	A	A	A	A	A	A	A	A	A	A
Formic Acid 10%	A	A	C	A	A	C	A	C	A	A	A	A
Formic Acid 85%	C	B	C	B	B	C	B	C	B	B	B	A
Glycerine	A	A	A	A	A	A	A	A	A	A	A	A
Heating Oil	A	A	A	A	A	A	A	A	B	C	C	A
Heptane	A	A	A	A	A	A	A	A	A	C	C	A
Hydraulic Oil (Glycol Base)	A	A	A	A	A	A	A	A	A	A	A	A
Hydraulic Oil (Mineral)	A	A	A	A	A	A	A	A	A	C	C	A
Hydraulic Oil (Phosphate Ester Based)	B	B	B	B	B	B	B	B	B	B	B	B
Hydrochloric Acid 20%	C	B	C	B	B	C	B	C	B	C	C	A
Hydrochloric Acid 37%	C	C	C	C	C	C	C	C	C	C	C	A
Hydrofluoric Acid 10%	C	C	C	C	C	C	C	C	B	C	C	A
Hydrofluoric Acid 40%	C	C	C	C	C	C	C	C	C	C	C	C
Hydrogen	A	A	C	A	A	C	A	C	A	A	A	A
Hydrogen Peroxide (Up to 6% W.W.)	A	A	C	A	A	C	A	C	A	A	A	A
Hydrogen Chloride (Dry)	A	A	C	A	A	C	A	C	A	A	A	A
Iso-octane	A	A	A	A	A	A	A	A	A	B	B	A
Isopropyl Alcohol	A	A	A	A	A	A	A	A	A	A	A	A
Kerosene	A	A	A	A	A	A	A	A	A	C	C	A
Lactic Acid 50%	A	A	C	A	A	C	A	C	A	A	A	A
Linseed Oil	A	A	A	A	A	A	A	A	A	B	B	A
Magnesium Sulfate	A	A	A	A	A	A	A	A	A	A	A	A
Malic Acid	A	A	A	A	A	A	A	A	A	A	A	A
Methane	A	A	C	A	A	C	A	C	A	A	A	A
Methyl Alcohol	A	A	A	A	A	A	A	A	A	A	A	A
Methyl Chloride	B	B	B	B	B	C	B	C	B	C	C	B
Methylene Chloride	C	C	C	C	C	C	C	C	C	B	C	B
Methyl Ethyl Ketone	B	B	B	B	B	B	B	B	B	C	C	B
Mineral Oil	A	A	A	A	A	A	A	A	A	C	B	A
Mineral Oil, ASTM 1	A	A	A	A	A	A	A	A	A	B	B	A
Monochloromethane	B	B	C	B	B	C	B	C	B	C	C	B
Nitrogen	A	A	A	A	A	A	A	A	A	A	A	A
Naphtha	A	A	A	A	A	A	A	A	B	C	C	A
Nitric Acid 20%	C	C	C	C	C	C	C	C	C	C	C	A
Nitric Acid 40%	C	C	C	C	C	C	C	C	C	C	C	A
Nitric Acid 96%	C	C	C	C	C	C	C	C	C	C	C	C
Octane	A	A	A	A	A	A	A	A	B	C	B	A
Oleic Acid	A	A	A	A	A	A	A	A	A	A	A	A
Oxalic Acid	B	B	B	B	B	B	B	B	B	C	C	A