

# 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.

	4300		4408		4433		4500		6327		8200
	4201	4401	4409	4324	4430	4439	4509	5400	6400	7400	
Palmitic Acid	A	A	A	A	A	A	A	A	A	A	A
Pentane	A	A	A	A	A	A	A	A	A	C	C
Perchlorethylene	B	B	B	B	B	B	B	B	B	C	C
Petroleum	A	A	A	A	A	A	A	A	A	B	B
Petroleum Ether	A	A	A	A	A	A	A	A	A	B	B
Phenol	C	C	C	C	C	C	C	C	B	B	B
Phosphoric Acid	A	A	A	A	A	A	A	A	A	A	B
Phthalic Acid	A	A	A	A	A	A	A	A	A	A	A
Potassium Acetate	A	A	A	A	A	A	A	A	A	A	A
Potassium Carbonate	A	A	A	A	A	A	A	A	A	A	A
Potassium Chlorate	A	A	A	A	A	A	A	A	A	A	A
Potassium Chloride	A	A	A	A	A	A	A	A	A	A	A
Potassium Cyanide	A	A	A	A	A	A	A	A	A	A	A
Potassium Dichromate	A	A	A	A	A	A	A	A	A	A	A
Potassium Hydroxide	C	B	B	C	B	B	A	A	B	B	A
Potassium Hypochlorite	A	A	A	A	A	A	A	A	A	A	A
Potassium Nitrate	A	A	A	A	A	A	A	A	A	A	A
Potassium Permanganate	A	A	A	A	A	A	A	A	A	A	A
Producer Gas	A	A	C	A	B	C	A	C	A	B	A
Propane	A	A	C	A	B	C	A	C	A	B	B
Pydrol	A	A	A	A	A	A	A	A	A	C	C
Pyridine	C	C	C	C	C	C	C	C	C	B	B
Rape Seed Oil	A	A	A	A	A	A	A	A	A	B	B
Silicone Oil	A	A	A	A	A	A	A	A	A	A	A
Sea Water	A	A	B	A	A	B	A	B	A	A	A
Sodium Aluminate	A	A	A	A	A	A	A	A	A	A	A
Sodium Bicarbonate	A	A	A	A	A	A	A	A	A	A	A
Sodium Bisulphite	A	A	B	A	A	B	A	B	A	A	A
Sodium Chloride	A	A	A	A	A	A	A	A	A	A	A
Sodium Hydroxide	C	B	B	C	B	B	A	A	B	B	A
Sodium Silicate	A	A	A	A	A	A	A	A	A	A	A
Sodium Sulphate	A	A	A	A	A	A	A	A	A	A	A
Sodium Sulphide	A	A	A	A	A	A	A	A	A	A	A
Steam	B	B	A	B	A	A	A	A	B	B	B
Stearic Acid	A	A	A	A	A	A	A	A	A	A	A
Sulphur Dioxide	C	C	C	C	C	C	B	C	B	B	A
Sulphuric Acid 20%	C	C	C	C	C	C	C	C	B	C	A
Sulphuric Acid 50%	C	C	C	C	C	C	C	C	C	C	A
Sulphuric Acid 96%	C	C	C	C	C	C	C	C	C	C	A
Sulphurous Acid	C	B	C	C	C	C	B	C	B	B	B
Tannic Acid	A	A	A	A	A	A	A	A	A	A	A
Tartaric Acid	A	A	A	A	A	A	A	A	A	A	A
Tetrachlorethane	B	B	B	B	B	B	B	B	B	C	C
Tetralin	A	A	A	A	A	A	A	A	B	C	C
Toluene	A	A	A	A	A	A	A	A	B	C	C
Town's Gas	A	A	C	A	A	C	A	C	A	B	B
Transformer Oil	A	A	A	A	A	A	A	A	A	B	B
Trichlorethylene	B	B	B	B	B	B	B	B	B	C	C
Turpentine	A	A	A	A	A	A	A	A	B	C	C
Vinyl Acetate	A	A	A	A	A	A	A	A	B	C	C
Water	A	A	A	A	A	A	A	A	A	A	A
White Spirit	A	A	A	A	A	A	A	A	A	C	C
Xylene	A	A	A	A	A	A	A	A	B	C	C