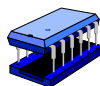
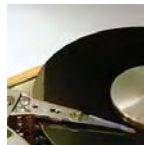


Material Compatibility Liquid Citric Acid 50%

MATERIAL	Liquid Citric 50%
316 Stainless Steel	Acceptable
304 Stainless Steel ⁽¹⁾	Acceptable
440 Stainless Steel	Acceptable
Iron, Steel	Avoid
ABS (CYCOLAC)	Mild Attack
Acrylic	Acceptable
Aluminum	Mild to NO attack
Brass & Bronze	Avoid – Severe attack
BUNA	Avoid – Severe attack
Carbon	Acceptable
Ceramic & Ceramic Alumina	Acceptable
Delrin®	Acceptable
Duratron® - thermoset polyimide	OK
EPDM	Acceptable
Epoxy	Mild Attack
EPT	Mild Attack
Glass	Acceptable
HDPE	Acceptable
Hypalon	Mild Attack
LDPE	Acceptable
Monel	Mild Attack
NEOPRENE	No Attack
Nickel Phos. (Ni/P - Disk substrate)	No Attack
NYLON (Polyamide)	Mild-Moderate Attack
Oliver: Lexel	No Data – Should be OK
PEEK	Acceptable
PEEK (Carbon Filled)	Acceptable
PET	Acceptable
PHENOLIC	Mild Attack
POLYACETAL	Mild Attack
Polycarbonate	Acceptable (Long term exposure may cause embrittlement)
Polyethersulfone	Acceptable
Polyethylene (PE)	Acceptable
Polypropylene (PP)	Acceptable
Polyurethane (PU)	OK
PVA	Acceptable
PVC	Acceptable
PVDF	Acceptable
PPS Ryton® - Phillips Petroleum Polyphenylene sulfide	OK
Rubber (Natural)	Acceptable
Ryton	Acceptable
Ryton Mineral Filled	Mild Attack
SILICON	Mild-Moderate Attack
SILICONE	Acceptable





Teflon (PTFE)	Acceptable
Titanium	Acceptable
Vinyl	Acceptable
Viton®	Moderate Attack
XHDPE	Acceptable

GLOVE MATERIALS	
Neoprene	Acceptable
Nitrile	Acceptable
UHMWPE	Acceptable

NOTES:

- Test data from ambient conditions <100 F.
- Acceptable - no adverse effects found, No attack.
- OK - No adverse effects reported or expected.
- Mild Attack - while in some cases the material may be compatible. Continuous contact at elevated temperatures (greater than 100 F) may cause leaching, embrittlement, softening or degradation.
- Avoid - Severe attack. Unacceptable in all applications.

(1) NOTE: 304 Stainless steel is not recommended in Media Storage (high tech) environments. It contains much higher concentrations of Iron which may leach out of the surface. Especially with Acidic products.

