

## Tech Tip #116 - Solvent Compatibility Guide

MacDermid photopolymer printing plates were grouped by resin type (Table 1) and rated (Table 2) as to their relative resistance to various solvents. For questionable washup solutions, immerse a strip of plate in the solvent for 5 minutes. If the strip does not swell, curl, soften, or become tacky, the solvent should be acceptable. Samples of questionable solvent, along with appropriate SDS, can be given to your MacDermid Technical Representative for testing.

Table 1 MacDermid Photopolymer Resins	
Group 1	Group 2
M Stamp 50	LTL, LTT, LTS
M Stamp 40	MWH, MWB-50
	M Cap 45, FC-55HR-R
	MRC, MLC 32, MLC 25
	M Clear

Table 2 Solvent Compatibility Rating <sup>1</sup>					
Solvent	Resin Group		Solvent	Resin Group	
	1	2		1	2
Acetone	U	U	Kerosene	S	S
Butyl Cellosolve	U	U	Ketones	U	U
Cellosolve	U	U	Methanol	U	U
Chlorinated hydrocarbons	U	U	Methyl Cellosolve	U	U
Cyclohexane	U	U	Methyl ethyl ketone	U	U
Diethylene glycols	S	S	Mineral Spirits	S	S
Ethanol	U	U	n-propanol	U	U
Ethyl acetate	U	U	Naphtha, V, M, & P	S	S
Ethylene glycol	S	S	2-Nitropropane	U	U
Heptane	S	S	Propylene Glycols	S	S
Hexane	S	S	Toluene	U	U
Isopropanol	U	U	Xylene	U	U

1. S=Satisfactory; F=Fair; U=Unsatisfactory