



TECHNICAL DATA SHEET

G-Cure® 869PWF50

An acrylic polyol (17-0869)

General description:

G-Cure 869PWF50 acrylic resin is a hydroxyl functional acrylic resin designed to react at room temperature with aliphatic polyisocyanates to produce high performance coatings. Coatings formulated with G-Cure 869PWF50 have fast lacquer-like dry, but provide long potlife due to controlled reactivity. The cured films exhibit excellent durability and good chemical resistance. This performance is achieved even though low levels of polyisocyanates need to be used.

Technical features:

1. Low NCO demand
2. Excellent durability and good solvent resistance
3. Fast dry with long potlife

Suggested uses:

1. High quality furniture finishes
2. Fleet refinishing applications
3. Recreational equipment coatings

Delivery form: 50.0% non-volatile in PM acetate/ ethylbenzene/ solvent 90 (55/ 25/ 20 pbw)

Typical properties:

Property	Value	Units	Method *
Non-volatile, by weight	50.0 ± 2.0	%	1 – 1
Viscosity, Brookfield (77°F)	3000 – 6000	cps	2 – 2
Hydroxyl value (on n.v.)	40 – 55		6 – 1
Color	100 maximum	APHA	3 – 2
Appearance	clean, clear and free from extraneous matter; may turn opaque when stored below 30°F: if this occurs, warm above 40°F until clear		7 – 1

*SDM: Nuplex Resins methods of determination (available on request)

HEW on n.v.: 1085
Density: 8.40 ± 0.10lbs./gal. Non-volatiles, by vol.: 45.0%
Flash point: 66°F Setaflash

On DSL Inventory

Recommended Reaction Ratios: 2170 gm G-Cure 869PWF50/ 255 gm Tolonate 75BX(Rhodia)
2170 gm G-Cure 869PWF50/ 255 gm Desmodur N-75 (Bayer)

Updated: June, 2008

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