

K-PURE[®] TAG-2713

Thermal Acid Generator



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K-PURE[®] TAG-2713 is a semiconductor grade amine blocked thermal acid generator designed for use in microlithography coatings. Its activation range is between 120°C and 140°C depending upon time, formulation components and film thickness. K-PURE[®] TAG-2713 is ideally suited as a catalyst for amino cross-linkable (melamine, self-condensed melamine, glycoluril, urea) or silanol and alkoxy silane cross-linkable resins. K-PURE[®] TAG-2713 can also be used in any lithography application where the rapid and selective generation of a strong acid is required.

ADVANTAGES: Sharp Activation Profile
Metals analysis available; Na, K, Mg, Fe, Zn, Al, Ni, Cr, Co, Pb, Cu, Mn

TYPICAL PROPERTIES:	Appearance	Clear Solution
	Solids	20%
	Solvent	PGME
	Active Acid content, %	13.0 +/- 10%
	Activation Range, °C	120-140

SOLUBILITY: Soluble in water, butanol and ethyl lactate. Limited solubility in PGMEA.

APPLICATIONS: Anti-reflective Coatings (ARC, BARC)
Resist under layers (bilayer, trilayer resists)
Siloxane etch stop hard-masks

TYPICAL USAGE LEVELS: 0.1 - 3.0 % as supplied on total resin solids.

INCORPORATION: May be added directly to the formulation.

SHELF LIFE: Minimum 12 months from the date of manufacture, when stored at dry, ambient conditions in the original container.

HANDLING & STORAGE: Handle with extreme care and consult the MSDS for safe handling.

REGULATORY: Please refer to the Material Safety Data Sheet.