

## 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 alkoxysilane 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 Appearance Clear Solution

PROPERTIES: 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.

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