

Product Data Sheet

K-PURE[®] TAG-2172 Thermal Acid Generator



Science Road
Norwalk, CT 06852
(800) 431-7900
Fax: (203) 855-6619
E-Mail: dmiller@kingindustries.com

K-PURE[™] TAG-2172 is an amine blocked Dodecylbenzenesulfonic acid (DDBSA) for use as a thermal acid generator. Typical activation ranges from 140°C to 190°C depending upon the variables of the formulation and application.

ADVANTAGES: Broad solubility
Excellent viscosity stability
Low Trace metals - Na, K, Mg, Fe, Zn, Al, Ni, Cr, Co, Pb, Cu, Mn

TYPICAL PROPERTIES:	Appearance	Clear, light color liquid
	% Active	25
	pH (1:1 with DI water)	6.6
	Weight per gallon, 25°C	7.4
	Volatile	Isopropanol
	Gardner Color	3 – 8
	Total Metals*	< 2 ppm

SOLUBILITY: Soluble in water, alcohols, glycol ethers, glycols, esters, ketones, aromatic and aliphatic hydrocarbons.

APPLICATIONS: Electronic applications requiring the use of a thermal acid generator with low trace metals.

TYPICAL USAGE LEVELS: 0.5 to 4.0 % as supplied on total formulation solids. This concentration is dependent upon temperature, time, resin system and film thickness.

INCORPORATION: May be added to the system with agitation as supplied or pre-diluted with alcohol.

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

HANDLING & STORAGE: K-PURE[™] TAG-2172 is classified as a flammable liquid. Safe handling of this product should include the use of safety glasses and gloves. Avoid breathing vapors - use with adequate ventilation. To prevent possible color change, product should be stored in lined or brown glass containers away from sunlight and excessive heat. Refer to MSDS for detailed information.

REGULATORY: Please refer to the Material Safety Data Sheet.

K-PURE TAG-2172 is part of a family of TAG products that include other acids and various blocking groups. The products are designed to meet the broad range of needs for manufacturing semiconductor products. In addition, King Industries, Inc. also offers corrosion inhibitors, catalysts and resin modifiers designed specifically for the electronic chemicals market. For additional products and information, please reference our web site at http://kingindustries.com/web/specialty_markets_group.htm or contact us directly.

** for exact metals content refer to certificate of analysis*

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