

EASTMAN OFFERS GUARANTEED PURITY IN ITS EASTAPURE™ ELECTRONIC CHEMICALS

Eastman Chemical Company is providing guaranteed levels of purity for the semiconductor and electronics industry with its new line of *EastaPure*™ electronics chemicals. Eastman, a long-term supplier of chemicals and solvents, includes a certificate of analysis (COA) that not only verifies purity but also lists trace elements with every shipment of *EastaPure* electronics chemicals.

Class 1000 Clean Room

A newly established Class 1000 clean room, a world-class testing facility located at its headquarters in Kingsport, Tenn., offers expanded trace metal testing on selected products and provides data for COAs on an around-the-clock basis. The room complies with Federal Standard 209E for airborne particulate cleanliness and includes an Inductively Coupled Plasma Mass Spectrometer (ICP-MS) for measuring elements in electronic chemicals at parts per billion levels.

Right now, Eastman's clean room is providing increased trace metal testing on *EastaPure* PM Acetate, *EastaPure* MPK, *EastaPure* MAK, and *EastaPure* n-Butyl Acetate. The other two *EastaPure* products—Ethyl Acetate and Acetic Acid—will follow.

Trends in Electronics Chemicals Testing

A reduction in trace elements concentration is becoming increasingly critical as the electronics industry continues to manufacture faster chips with increased capacity to meet consumer demand for smaller yet more powerful electronic devices. As electronics manufacturers aggressively seek to place increasing amounts of data on a single chip, current

specification levels of parts per billion trace elements will continue to change, with future levels expected in the parts per trillion ranges.

The fast-paced electronics industry faces accelerated time-to-market goals. Eastman helps compress the process by testing the chemicals upstream saving formulators an added step while reducing a significant variable for semiconductor testing laboratories downstream.

***EastaPure* Product Line**

The electronics chemical industry is a natural extension of Eastman's core competency in chemical research and development. Their base *EastaPure* line includes the following:

Chemical	Application
<i>EastaPure</i> Acetic Acid	➤ Etching solution for semiconductor chips and other electronics
<i>EastaPure</i> PM Acetate	➤ Photoresist formulations
<i>EastaPure</i> MAK	➤ Positive photoresist formulations
<i>EastaPure</i> n-Butyl Acetate	➤ Negative photoresist formulations for spin-coating photosensitive materials evenly onto a silicon wafer
<i>EastaPure</i> Ethyl Acetate	➤ Viscosity reducer in photoresist formulations used to make semiconductor chips
<i>EastaPure</i> MPK	➤ Edge-bead removal after spin coating

Contact Eastman at (800) EASTMAN, Ext. 3420; (1) 423-229-3420 or visit their website at www.eastapure.com for more information on *EastaPure* electronics chemicals.

Eastman Chemical Company, headquartered in Kingsport, Tennessee, U.S.A., manufactures and markets plastics, chemicals and fibers worldwide with 1999 sales of US\$4.59 billion.

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