



Pure. And Simple.



Do You Know What's

When you use Arkema's new E-PURE MSA® electrolyte*, you know your plating bath contains outstanding methane sulfonic acid. For solid, dependable plating bath performance, you have to start with high-quality MSA. It must be consistent, pure and have no unknowns. By combining Arkema's E-PURE MSA® electrolyte with quality formulator additives, you can ensure consistent plating performance and controlled electrodeposition. The result is electronic components with reliable finish quality that exceeds customers' performance specifications.

WHY E-PURE MSA® WAS DEVELOPED

Arkema has been manufacturing and supplying MSA to the electroplating market for over 30 years through a variety of global and local formulators. During that period, we have worked closely with our customers to improve the quality of our methane sulfonic acid technology to meet the increasing demands of the electronics market. The most recent example of this collab-

oration, E-PURE MSA® electrolyte, is specifically designed for the plating of electronic components. E-PURE MSA® electrolyte provides the same reliable performance attributes of our traditional MSA, while greatly reducing the formation of volatile compound precursors, resulting in a safer working environment.



*Patent Pending

In Your Plating Bath?



Arkema's **30-year** expertise in **MSA technology** offers **reliable** finish quality

that **consistently** meets performance specifications and provides a **safer** working environment.

With **E-PURE MSA[®] electrolyte** in your plating bath, you get **dependable** performance

time after time—with **no unknowns**.



In Your Plating Bath?

ARKEMA'S R&D EXPERTISE: SAFER ENVIRONMENT

Over a two-year period, Arkema's technical group studied the chemistry of MSA under electroplating conditions.



Using a simulated plating bath, Arkema captured and identified the volatile decomposition products produced during bath operation. This information

enabled us to use our knowledge of organo-sulfur chemistry to identify the chemical precursors of the volatile decomposition products. With this information, we optimized our manufacturing process to minimize the production of the volatile precursors, resulting in E-PURE MSA[®] electrolyte.

THE MANUFACTURING DIFFERENCE

In recent years, a number of MSA manufacturers have entered the market, producing MSA using a variety of starting materials and processing methods. The result is MSA with a diverse and inconsistent impurity profile, which could negatively impact the performance of the plating bath or the safety of the working environment.



Arkema's manufacturing process is pure and simple. E-PURE MSA[®] electrolyte is produced via a continuous process in dedicated equipment using the same basic raw materials as our traditional MSA. The result is MSA, which has been exceeding industry requirements while providing a well known, controlled, proven purity profile for the past 30 years.

E-PURE MSA[®]: PURE AND SIMPLE

When you bring quality MSA together with formulator additives, you ensure solid, dependable bath performance, which leads to reliable finish quality for the most sophisticated electronic components while not compromising the safety of your working environment.

For more information about Arkema's new E-PURE MSA[®] electrolyte and approved formulators, please reach us at e-puremsa.com or call us at: North America: **1.800.628.4453**; Europe: **33.1.49.00.75.74**; Asia: **65.68.69.02.79**; Japan: **81.03.5251.9494**.





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www.e-puremsa.com

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