

Plant Overview

Products and markets

The Calvert City, Ky. plant produces a number of products that are used to improve daily life, from enabling safe, efficient food storage to contributing to lightweight materials that conserve energy and improve safety.

Our Kynar® PVDF resin is a tough plastic coating used as wire insulation and on the exterior of many buildings. Kynar® PVDF resin is also used in high performance piping systems including ultra-pure water systems used in manufacturing computer chips.



The Forane® refrigerants we produce are used as coolant in air conditioners and refrigeration equipment. They are also used in insulation for transportation, appliances and construction.

We also manufacture hydrochloric acid, which is used for refining ore, pickling and cleaning metal products, electroplating, removing scale from boilers. It's also used as a catalyst and solvent in organic syntheses, in the manufacture of fertilizers and dyes, for hydrolyzing starch and proteins in the preparation of various food products, and in the photographic, textile, and rubber industries.

Community involvement

- **Calvert City Industrial Mutual Aid Program** – This is held in coordination with other chemical companies in the area; this program is designed to prepare for, and respond to, natural disasters or accidents.
- **Good Neighbor Night** – This is an annual open house where we address neighbors' questions concerning our plant operations and environmental and safety performance. This event helps provide an open dialogue between plant neighbors and our employees.
- **Community Advisory Team** – A facilitator conducts monthly meetings of the group, which is comprised of a cross-section of local residents and industry representatives, including other chemical plants in the Calvert City area. The Community Advisory Team helps increase dialogue between the community and industry, provides an avenue for information sharing and helps us identify and respond to community concerns. Through regular meetings and activities such as plant tours, we are able to regularly educate and update the community on plant activities of interest.
- **Science Teachers Program** – Arkema's Calvert City plant hosts an annual innovative, hands-on science program equipping elementary teachers from area schools with new methods of stimulating scientific interest for their students. Teachers are selected to participate with plant staff in a three-day mentor program utilizing science kits on a variety of subjects for use in grades 3-6. In addition to the kits, each teacher receives a stipend and each participating school receives an Arkema donation for science education.

Local associations / events we sponsor

- Paducah area and Marshall County Chambers of Commerce
- Calvert Area United Fund
- Local food banks
- Marshall County Exceptional Center
- Junior achievement
- Scholarships, University of Kentucky School of Engineering at Paducah
- Program providing Shelter-in-Place training in local schools



Key Figures for 2017

Number of employees	265
Local economic impact (payroll, utilities and property taxes paid annually)	\$ 41 Million in 2017
Investment in the community	<ul style="list-style-type: none"> • Site employees contribute \$48,000 to Calvert Area United Fund in 2017 • Plant supports and participates in 2017 Good Neighbor Night, attended by 1470 neighbors • Site has a 30 member emergency response team • Site uses an automatic telephone system configured to notify neighbors of an emergency situation
Investment in health, environment and safety	<p>More than \$1.5 million in approved capital investments in 2017 for health, safety and environmental projects</p> <ul style="list-style-type: none"> • Purchased additional safety and environmental equipment • Process upgrades • New technology
Safety record	No lost time days away (LT-DA) injuries in over seven years (five million manhours).
Awards/certifications for safety, environmental and quality	<ul style="list-style-type: none"> • OHSAS 18001:2007 • ISO 14001:2004 • ISO 9001:2008 • Quality policy

About Arkema

A designer of materials and innovative solutions, Arkema shapes materials and creates new uses that accelerate customer performance. Our balanced business portfolio spans High Performance Materials, Industrial Specialties and Coating Solutions. Our globally recognized brands are ranked among the leaders in the markets we serve. Reporting annual sales of €8.3 billion in 2017, we employ around 20,000 people worldwide and operate in some 55 countries. We are committed to active engagement with all our stakeholders. Our research centers in North America, France and Asia concentrate on advances in bio-based products, new energies, water management, electronic solutions, lightweight materials and design, home efficiency and insulation. www.arkema.com

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