

## Thiochemicals

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The activity of the Thiochemicals is based on high growth world markets such as animal nutrition, oil and gas, agrochemicals and specialty intermediates.

The Arkema group is today one of the **world leaders** in thiochemicals (sulfur-based chemicals), combining innovation, services and a close relationship with its customers.

Our dominant position paves the way to establish long-term partnerships. We can follow our global customers anywhere on the planet, offering services that set us apart, without any interruption in supply.

Christophe André, Head of Thiochemicals business unit



Arkema offers a complete sulfur derivatives portfolio, including:

- intermediates for methionine and derivatives,
- mercaptans,
- thioglycolic acid and specialties,
- amines and oxygenated solvents,
- hydrazine hydrate and its derivatives,
- a wide range of additives for rubber.



The Thiochemicals activity serves the following main markets in a global and integrated way with dedicated product ranges and turnkey solutions:

- **The food, agrochemical, cosmetics and pharmaceutical industries**, by taking advantage of strong growth in these market segments worldwide.
- The **Oil and Gas** sector with odorants for natural gas and integrated solutions to enhance the operational efficiency of steamcrackers and refineries.
- The **chemical and plastics industry** as well as the **automotive market** through the use of a wide range of products such as solvents, synthesis and formulation intermediates, lubricants and additives for rubber and PVC.

The activity currently operates **eleven production facilities**: seven in **Europe**, three in the **United States** and one **in Asia**. Thanks to its **global technical support, R&D and sales teams**, it is able to provide **innovative products, tailor-made solutions and services** in a highly responsive manner, throughout the world.

### A global thiochemicals offering

The start up of the new thiochemicals platform in Kerteh in Malaysia complements Arkema's two sites, in Europe (Lacq in France) and in the United States (Beaumont). For the first time Arkema now has thiochemicals industrial capacities in Asia, close to fast-growing markets. The site produces methyl mercaptan for use in the manufacture of biomethionine for the animal feed market as well as DMDS earmarked for Asia's petrochemicals and refining players (lien vers page marché).

### Main markets

- [Food and Agrochemicals](#)
- [Electrical and Electronics](#)
- [Chemicals and Plastics](#)
- [Oil and Gas](#)

### Main products and brands

- [Thioglycolic acid and esters](#)
- Methyl mercaptan
- [Odorant blends Spotleak<sup>®</sup>, Viqileak<sup>®</sup>](#)

### Facilities

**11 production sites:** Europe (France, Netherlands), North America (United States), Asia (Malaysia)  
 2 R&D centers: Europe (France), North America (United States).

- Automotive and Transportation
- Consumer Goods

- DMDS (soil fumigant: Paladin<sup>®</sup>)
- DMDS (for refining and petrochemicals: Careflex<sup>®</sup> service)
- Sulfonyls (AMS and CMS)
- Scaleva<sup>®</sup> (AMS)
- DMSO
- Sulfides and polysulfides
- Amines
- Oxygenated solvents
- Hydrazine hydrate, Triazole and Azo Initiator
- Rubber additives Vultac<sup>®</sup>
- Rubber additives Ekaland<sup>®</sup> and Mixland<sup>®</sup>
- Thioacetic acid (TAA)
- Polythiols (DMDO)