

# GAS ODORANT

NATURAL GAS / LNG / BIOMETHANE / LPG /

## The gas odorant expert

SPOTLEAK®

THT



VIGILEAK®

ETHYLMERCAPTAN

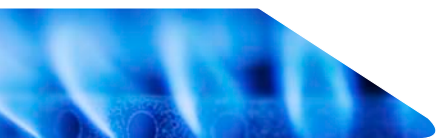
**ARKEMA**  
INNOVATIVE CHEMISTRY



# THE GAS ODORANT EXPERT

## THE ODOR OF GAS, THE ODOR OF SAFETY

Since the 19th century, when gas was manufactured from coal, the **odor of gas** has been widely associated in peoples' minds with a **sulfurous odor**. In compliance with the ISO 13734 rule, Arkema gas odorants do not have a strong smell but a **"distinctive and not confusable"** odor, for making the use of gas safe. **For over 50 years, Arkema has continuously supplied gas markets with high quality gas odorants that fully comply with this rule.**



## LARGEST PRODUCT RANGE ON THE MARKET PLACE

To ensure the safe transport and distribution of odorless gases such as Natural Gas, LPG or industrial gases, Arkema has developed a comprehensive gas odorants range:

- THT and Spotleak® for Natural Gas.
- EthylMercaptan and Vigileak® for LPG.

## MOST INNOVATIVE SUPPLIER

To stay ahead of gas markets' evolving needs, Arkema recently developed new gas odorants to match specific requirements. For instance, Spotleak® Z and Vigileak® Z can be used when minimized sulphur content is required for respectively fuel cells or Euro VI car fuel specifications.



## ODORFLEX<sup>®</sup> BY ARKEMA

### Arkema is the gas odorant partner you can trust.

We supply not only gas odorants but also deliver these in the packaging which fits your need and answer any technical question you may have on odorization.

#### EXHAUSTIVE PACKAGING RANGE

We can deliver safely gas odorants in a wide variety of containers:

- ▀ Drums: one-way drums or returnable drums equipped with dry-break couplings.
- ▀ Semi-bulk containers or mini-bulk trucks.
- ▀ Railcars, bulk trailer trucks or ISO-tanks.

#### SOLUTION PROVIDER

### Arkema brings you more than gas odorant.

Our Odorflex<sup>®</sup> services include the following various offers.

- ▀ Technical assistance about injection rates or odor fade.
- ▀ Trainings from the basic of odorization to a gas odorant spill management exercise, we can set-up a dedicated training to your staff.





## PROXIMITY TO OUR CUSTOMERS

Arkema has a **global Thiochemicals production base**, supported by a network of **local filling stations** to ensure the timely delivery of our gas odorants.



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It is the sole responsibility of the manufacturer of the medical device to determine the suitability (including biocompatibility) of all raw materials, products and components, including any medical grade Arkema products, in order to ensure that the final end-use product is safe for its end use; performs or functions as intended; and complies with all applicable legal and regulatory requirements (FDA or other national drug agencies). It is the sole responsibility of the manufacturer of the medical device to conduct all necessary tests and inspections and to evaluate the medical device under actual end-use requirements and to adequately advise and warn purchasers, users, and/or learned intermediaries (such as physicians) of pertinent risks and fulfill any postmarket surveillance obligations. Any decision regarding the appropriateness of a particular Arkema material in a particular medical device should be based on the judgment of the manufacturer, seller, the competent authority, and the treating physician.

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