



GAS ODORANTS



ARKEMA
INNOVATIVE CHEMISTRY

**AUTHORIZED DISTRIBUTOR FOR
GAS ODORANTS**



DAGGAZ Ltd. is an authorized Arkema distributor in Turkey, Middle Asia and Bangladesh for gas odorants.

www.daggaz.com

TYPICAL GAS ODORANTS

THT: Commonly used odorant. Known as Thiophane, Tetrahydrothiophene and THT. THT is perfectly matching the 13734 ISO rule for natural gas odorization. Arkema produces THT in Lacq (France), located on a gas field, having direct access to H₂S raw material underground. Safety first: we provide THT in dedicated packaging together with technical support to select with you the most effective gas odorization methods.

ETHYL MERCAPTAN : EM is mostly used in LPG (propane, butane) odorization. EM melting point is -148°C and boiling point is 35°C. These properties make EM the best choice for LPG odorization.

TBM: TBM is the main ingredient in many gas odorant blends. It is always utilized as a blend of other compounds, typically dimethyl sulfide, methyl ethyl sulfide, tetrahydrothiophene or other mercaptans such as isopropyl mercaptan, sec-butyl mercaptan and/or n-butyl mercaptan, due to its rather high melting point of -0.5 °C (31.1 °F). These blends are used only with natural gas and not propane, as the boiling points of these blends and propane are quite different. As propane is delivered as a liquid and vaporizes to gas when being delivered to the appliance, the vapor liquid equilibrium would substantially reduce the amount of odorant blend in the vapor.

VIGILEAK® Z is a special mix for LPG odorization with highly purified mercaptans and sulfide compounds. Main compounds of this product are MES and TBM with 25 to 50% concentration. For detailed information and MSDS please contact to our sales staff.

SPOTLEAK® Z is a special product for natural gas with low concentration of tht and highly purified sulphure compounds. Spotleak®Z brings improved safety with less sulphure. For detailed information and MSDS please contact to our sales staff.

Blends: 30%TBM - 70% THT, %50TBM - %50THT or other blends are used in different countries according to climate conditions, traditions and commercial considerations. Please contact with our sales department for available blends we can provide for your market.



WORLD LEADER



SERVICES WE PROVIDE

WIDE RANGE OF PRODUCTS WITH TAILER MADE SOLUTIONS

Daggaz is not only an odorant chemicals supplier but also an all level service provider.

- We sell odorants in Bulk Containers in International transportation standards which can be trailer and naval transported.
- We also sell odorants in SBC (semi bulk containers) for middle volume needs. SBCs can also be rented for longer periods or purchased.
- For smaller consumptions; disposable or reusable barrels can be provided. Also reusable barrels can be purchased or rented if needed for longer periods.
- Daggaz even provides services for on site (at consumer point) odorization at widely distributed networks of LPG, CNG, LNG(gas phase) distributors.
- We provide logistics, handling and on-site technical services for your needs in a very wide scope of volume of consumption.



Reusable Odorant Barrel

COMPLETE SOLUTION



In addition to disposable barrels we sell odorants in different variations of vessels. We provide on-site services for all kinds of vessels available for transportation.

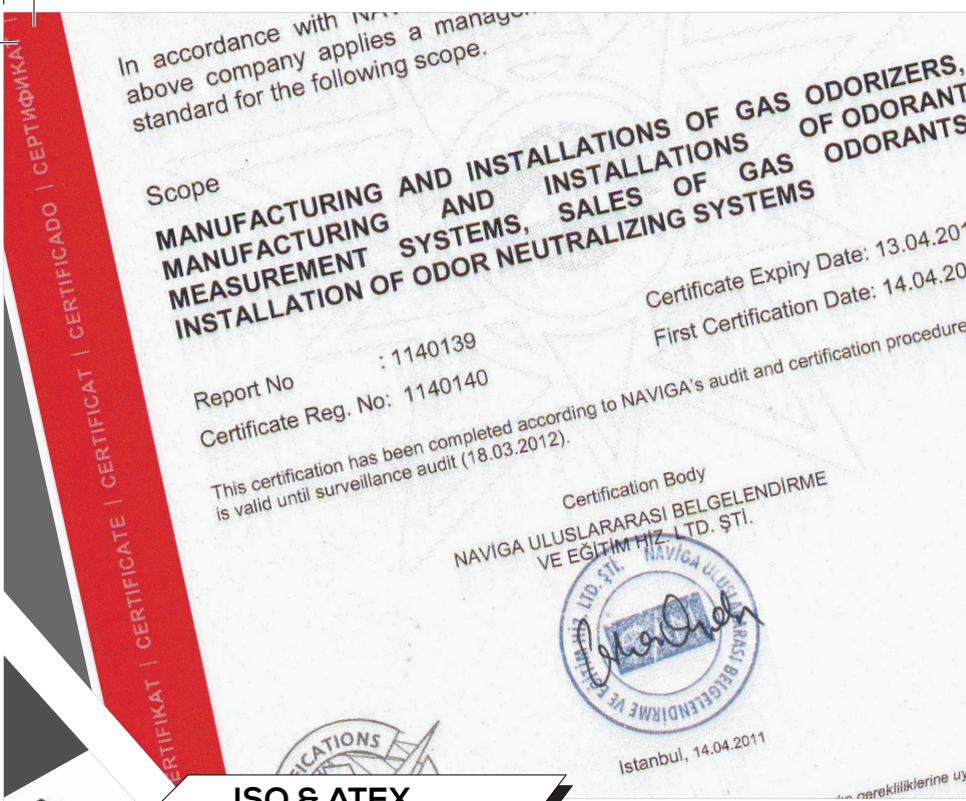
On-site services may include odor concentration verification with sensor devices for by-pass odorization systems. From left to right available reusable vessel types are:

- 1- Bulk Container
- 2- Semi Bulk Container
- 3- Reusable Barrel
- 4- Vertical By-Pass Odorizer Tank
- 5- Horizontal By-Pass Odorizer Tank

ADVANTAGES OF DAGGAZ SERVICES?

We combine our multi disciplinary experience in gas odorization field into design and application processes we have. With continuous improvement and development activities, we assure our customers to have the most recent technology and services possible in the market with high quality.





WHO WE ARE?

COMPANY INTRODUCTION

Daggaz NG-LPG Odorizing located in Arslanbey OSB, is displaying activities in Natural Gas, LNG, LPG, CNG and Petroleum Sectors. Our company is supplying products as a manufacturer or exclusive distributor of Turkey and Middle Asia. The product portfolio of our company is consist of gas odorants (As Turkey and Middle Asia Distributor of Arkema Gas Odorants), gas odorizers (as a manufacturer of Daggaz Odorizing Systems) and gas odorant measurement systems (as Turkey and Middle Asia Distributor of Axel Semrau). Our customer portfolio is consist of; city gas distribution companies, LPG-LNG Distribution Companies and refineries.

OUR MISSION IS

Providing the technical support in Turkey, in Euroasia and as well as the rest world by covering the customer expectations on the right time on the right place with convenient price.

We follow the requirements of ISO 9001 quality management system for gas odorization to pursue our mission.

All our well trained professional team member is also certified for working in potentially explosive environments.

ISO & ATEX CERTIFICATIONS

Daggaz is also a manufacturer and distributor for gas odorization systems and equipments. This multi functionality improves Daggaz team's qualifications and service capabilities. Daggaz also distributes odor neutralization products and provides relevant services for odor neutralization. This additional capability lets us provide a unique service scope and quality in gas odorization field.

located at the gates of Middle East and Central Asia and near the great city of Istanbul Daggaz is the most logical partner to work with for gas odorant products and get services from.



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