

Ethylene oxide.

Quality assured solutions and services.



A highly effective sterilant. Supporting healthcare and well being.

Introduction

Ethylene oxide (C₂H₄O) is vital to industry around the world. It is widely used in the chemical industry as a precursor for ethylene glycols, glycol ethers, ethanolamines, ethoxylates and acrylonitrile. It is a common gas phase fumigant and disinfecting agent and as such it is widely used in healthcare to sterilise heat sensitive tools and equipment.

At Linde Gas we can meet all your needs around the delivery, handling and safe management of this colourless, highly flammable and explosive gas. Through our local network, we can help you to optimise production processes, satisfy regulatory compliance and deliver on the environmental agenda.

With our global sourcing, bulk storage capabilities, transfilling and repackaging operations across Europe and Asia, plus our commitment to quality assurance and international logistics, this best in class operational practice underpins reliable and safe supply to you.

Product stewardship

We operate strict policies regarding product stewardship. Our closed loop management systems ensure that all the safety, health and environmental protection issues relating to our C₂H₄O solutions and services are fully understood and reduce risk to people, property and the environment.

Linde portfolio

Ethylene oxide is one product in the Linde Gas portfolio providing compressed, bulk, specialty and medical gases as well as packaged chemicals and refrigerants. Backed by the provision of state of the art application technology, process know how, services and equipment.

As part of The Linde Group, Linde Engineering is also a leading global solutions partner for plant engineering and construction. Its expertise spans facilities for the production of hydrogen and synthesis gas, oxygen and olefins as well as natural gas treatment. Both divisions work closely together to constantly develop new products and technologies that deliver maximum value for customers.



Ethylene oxide used in sterilising surgical instrument.

Global solutions: local service delivery. A trusted partner.

Linde Gas is one of the world's most advanced providers of added value C_2H_4O solutions and services. We offer:

Extensive product offer

- HiQ® pure gas or a mixture typically blended with CO_2 – from 6% ethylene oxide in CO_2 up to 90% ethylene oxide in CO_2
- typical specification of pure HiQ® ethylene oxide 3.0 grade is: $C_2H_4O >99.9\%$, water $<200ppm$, $CO_2 <100ppm$
- volumes to suit scale and application
- a choice of packaging that enables our customers to reduce their inventory, better match use and handling requirements, minimise changeover and the risk of polymerisation; options include:



Cartridges



2-126 litre cylinders



steel/stainless steel drum tanks up to 1000 litres

Total solution and services

- best in class logistics ensuring security of supply to the point of use
- technical and operational expertise
- specialist services such as process review, on-site audits, risk assessments and advice on end user production chain, dosage and timing
- turnkey supply systems
- local service delivery through Linde

To order or for further information please visit www.linde-gas.com/chemicals

Getting ahead through innovation.

With its innovative concepts, Linde is playing a pioneering role in the global market. As a technology leader, it is our task to constantly raise the bar. Traditionally driven by entrepreneurship, we are working steadily on new high-quality products and innovative processes.

Linde offers more. We create added value, clearly discernible competitive advantages and greater profitability. Each concept is tailored specifically to meet our customers' requirements – offering standardised as well as customised solutions. This applies to all industries and all companies regardless of their size.

If you want to keep pace with tomorrow's competition, you need a partner by your side for whom top quality, process optimisation and enhanced productivity are part of daily business. However, we define partnership not merely as being there for you but being with you. After all, joint activities form the core of commercial success.

Linde – ideas become solutions.