

Hydrogen chloride.

Quality assured solutions and services.



Many industries – multiple applications. Customer-centric solutions.



Description

Hydrogen Chloride (HCl) is an inorganic chemical with many applications. It is used in chemical synthesis reactions to produce vinyl chloride, fertilizers, dyes, pigments, and pharmaceutical ingredients. It also finds use in catalyst regeneration, rubber manufacturing, electroplating, semiconductor manufacturing, leather tanning, and cotton seed processing.

Linde can assist you with safe and efficient use of hydrogen chloride. We will help with your production optimization, environmental performance improvement and regulatory compliance. In addition to providing the HCl, we design and construct custom equipment for its storage and dosing at our customers' sites.

Linde North America acquires product from a large, pipeline supplied, anhydrous HCl fill facility in Freeport, TX. This enables supply from one of the world's largest and most reliable sources of the product and provides our customers with quality and production control. The Freeport facility fills both tube trailers and ton tanks with industrial and electronic grades of HCl. We also have a wholly owned transfill facility in Phoenix, AZ that purifies anhydrous HCl and fills ton and standard size cylinders of industrial and electronic grades of HCl.

Our customer-centric approach is backed by our global sourcing and substantial bulk storage capabilities. This is supported by our transfilling,

packaging, quality assurance and international logistics. All of which enable us to deploy the best-in-class operational practice.

Product stewardship

The Linde Group operates strict policies regarding product stewardship. Our closed-loop management systems ensure that all the safety, health and environmental protection issues relating to our HCl solutions and services are fully understood and reduce risk to people, property and the environment.

Linde portfolio

Hydrogen chloride is one product in the Linde Gas portfolio providing compressed, bulk, specialty and medical gases as well as packaged chemicals and refrigerants. The company adds value to its customers' businesses through the provision of state-of-the-art application technology, process know-how, services and equipment.

Global solutions: local service delivery. A trusted partner.

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

Extensive product offer

- A choice of qualities from industrial to electronic grades
- Purities ranging from 99.9% to 99.999% hydrogen chloride
- Volumes to suit the scale and application
- Custom hydrogen chloride equipment
- A choice of packaging

Package Options	Cylinder Size	Internal Volume Water Liters	Fill Contents	Pressure (psig @ 70°F)	Valve Outlet (CGA)
Tube Trailer	Tube Trailer	16,590 L	21,000 lbs	613	330
Ton Container	920	446 L	600 lbs	613	330
Cylinder	204	44 L	60 lbs	613	330

Total solution and services

- Best-in-class logistics ensuring security of supply to the point of use
- Technical and operational expertise
- Regulatory compliance
- Specialist services such as process review, on-site audits, risk assessments and advice on end user production chain, dosage and timing
- Turnkey supply systems



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.

Linde Electronics and Specialty Gases

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