

INTRODUCTION



Paushak is part of the Alembic group of companies situated in Gujarat, India. Alembic Ltd is the oldest pharmaceutical company in India founded in 1907 and has celebrated a "hundred years of excellence".

Paushak was founded in 1972 and developed its own indigenous manufacturing process for phosgene gas. It has developed a core competence in the manufacturing of Isocyanates, Chloroformates, Carbonyl Chlorides and Acid chlorides over the past 30 years.



The production capacity of phosgene is 150 Tons per month. Paushak's sales are 8 Mn USD and the company has a workforce of 200+ people.

VISION

"To be a leader in strategic supplies of Phosgene intermediates and development compounds to pharmaceutical companies worldwide using novel technologies in a safe and clean environment"



OBJECTIVES



- To seek & sustain long term strategic relationships.
- To focus on phosgene based pharma intermediates.
- To implement customer-compliant Quality Systems.
- To make Safety intrinsic to every operational aspect.
- To continuously improve people, process & ecosystem.
- To work within a globally acceptable ethical framework

STRENGTHS



- 34-year experience in phosgene & phosgenation.
- 100-year history of success in chemical synthesis.
- Exclusive focus on pharmaceuticals & healthcare.
- In-house R&D & process development capability.
- Infrastructure for progressive Scale-up from 5L to 10KL.
- Robust quality and safety management systems.
- Continuous cost optimization program.

"Paushak's core competencies are in the lab to medium scale manufacturing of pharmaceutical grade phosgene intermediates using innovative process engineering at a low cost and within global quality and regulatory standards. There are no pesticides manufactured on site and safety is in-built into our processes"

MANUFACTURING CAPABILITIES



- Phosgene production at 150 Tons per month
- Pilot plant from 10 Litres to 300 Litres
- Phosgenation reactors ranging from 1Kl to 10Kl
- Continuous gas-liquid phase reactions
- Continuous gas-gas phase reactions.
- Continuous liquid-liquid phase reactions
- Powder processing area
- Utilities available from -15 to +200 degrees
- Pressure Range (2 Torr to 3.5 Barg)

ANALYTICAL CAPABILITIES



- Prep HPLC / HPLC
- GC / GC with headspace
- NMR 300Mhz
- LCMS-MS
- XRD
- UV / IR / UV Visible Spectrophotometer
- DSC
- Polarimeter
- Particle Size Analyser
- Flash Chromatograph

CUSTOM SYNTHESIS



Paushak offers unique capabilities in development and commercialisation of phosgene based products. Paushak accepts challenging product development requests on a routine basis. Laboratory facilities are specifically designed and equipped for safely conducting Phosgenation and related reactions.

ENVIRONMENT HEALTH AND SAFETY



Paushak is very stringent on environmental consciousness, health of our employees and safety. We are consistently trying to find ways to reduce waste and consume less energy via efficient processes and using renewable energy where possible.

- Paushak is a zero discharge facility producing zero effluent
- We produce steam using bio-waste on site for which reduces our carbon footprint
- Going molar for better yields results in lower effluent generation
- Continuous processes utilise less energy than batch processes
- We conduct Hazop studies on a routine basis via authorised agencies to ensure safe processes and plant operations
- We adopt a system-based approach to reduce risk of accidents or hazards and are continuously trying to change the way we work at our plant



QUALITY

Paushak QA reports to the Alembic group QA head, who is also responsible for our FDA approved formulation and API facilities. Alembic has filed numerous DMF's and ANDAS and hence at Paushak we understand the needs of our pharmaceutical customers and GMP requirements for key intermediates.

"Continuous improvement is our objective in all areas including people, processes and ecosystem"

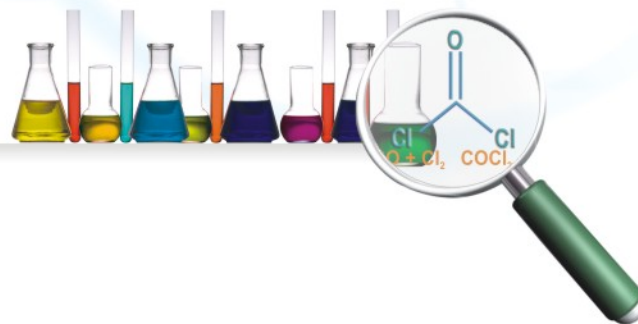
Carbamoyl Chlorides

Chloroformates

Isocyanates

Custom Synthesis

Your Strategic Source
For Phosgene Derivatives



PAUSHAK

Your Strategic Source For Phosgene Derivatives

2nd Floor, API-Marketing Division, Alembic Administrative Building,
Alembic Road, Vadodara - 390 003 INDIA

Tel : 0091 265 2280550, 2280880, 3053333

Fax No. : 0091 265 2281508

E-mail: paushak@alembic.co.in

URL: www.paushak.com

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