



Chemieorganics Chemicals (I) Pvt. Ltd.

ISO 9001 : 2015 , 14001:2015, 45001:2018

Government of India Recognised Export House



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Corporate Office

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Manufacturing Plant

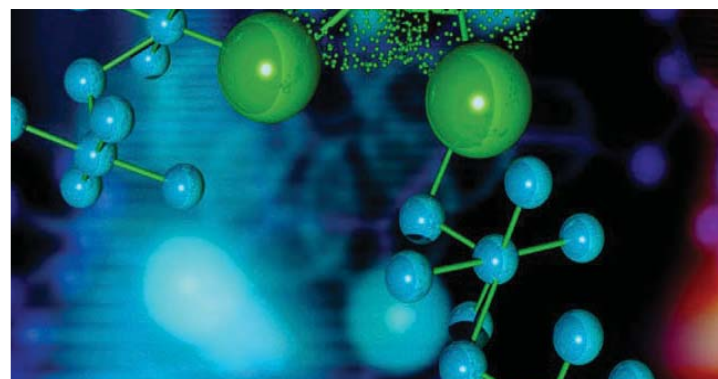
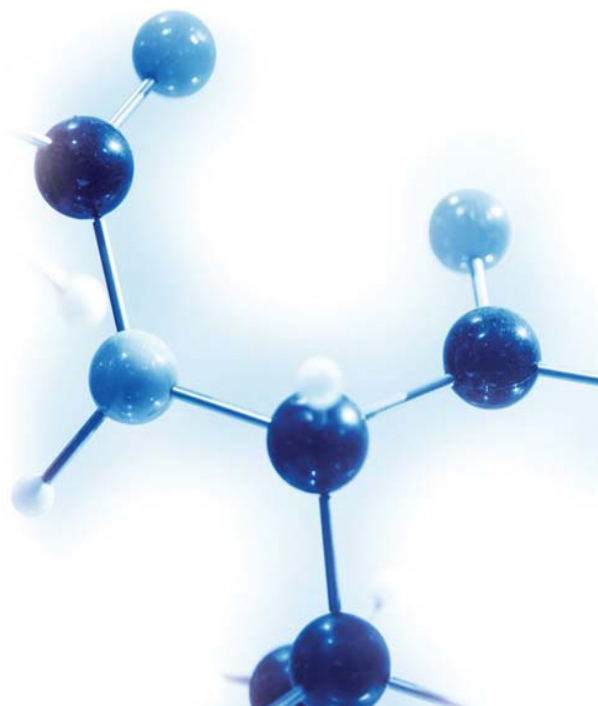
Plot no. 758, GIDC
Jhagadia, Dist.: Bharuch - 393110,
Gujarat, India.



About Us

Chemieorganic Chemicals (I) Pvt. Ltd is the one of the largest and oldest manufacturers of Chlorobenzenes, Chloroanilines, Di Nitro Chloro Benzenes and Calcium Chloride in India.

Our manufacturing facility is in Gujarat, the chemical hub of India. As a multi-product company, we are a global supplier of choice, with enduring relationships with leading chemical majors across geographies. Some of our capabilities include manufacturing of high-value specialty products either based on our own end products or developed especially for our users.



We have the capability and strength to do custom synthesis in the following reactions:

■ Dehalo Catalytic Hydrogenation

We are currently already doing hydrogenation of benzene derivatives. We have installed a 1.5 km hydrogen pipeline, through which we get hydrogen from a neighbouring unit (DCM Shriram Alkali). This ensures we save atleast 50% of our cost, as compared to purchasing by cylinders. Since there is no handling of hydrogen, safety is also ensured and significantly enhanced on the site.

■ Chlorination

We are doing chlorination of benzene derivatives since the past 20 years and handle approx. 100 mt chlorine every day. We have installed a 1.5 km chlorine pipeline and get chlorine from a neighbouring unit (DCM Shriram Alkali). This ensures we save atleast 20% of our cost, as compared to purchasing by cylinders. Since there is no handling of hydrogen, safety is also ensured and significantly enhanced on the site. Furthermore, when chlorination is done, a by-product – hydrochloric acid (HCl) is formed. We use all the HCl generated from site in the manufacturing of calcium chloride. This ensures there is no wastage, disposal and environmental issues in the process.

In the near future, we intend to install glass-line reactors to do batch chlorination of products which are sensitive to temperature, MOC and scale.

■ Nitration

Traditionally, nitration is done in continuous as well as batch mode. In batch mode, one has to handle larger volumes of material and it is a manual process. Since we manufacture all the nitrated products by continuous mode, the volume at any given time present in the reactor would be less than 1 kl. Therefore, from a safety point of view, it is the preferred mode of manufacturing. Our nitration facility is fully automated.

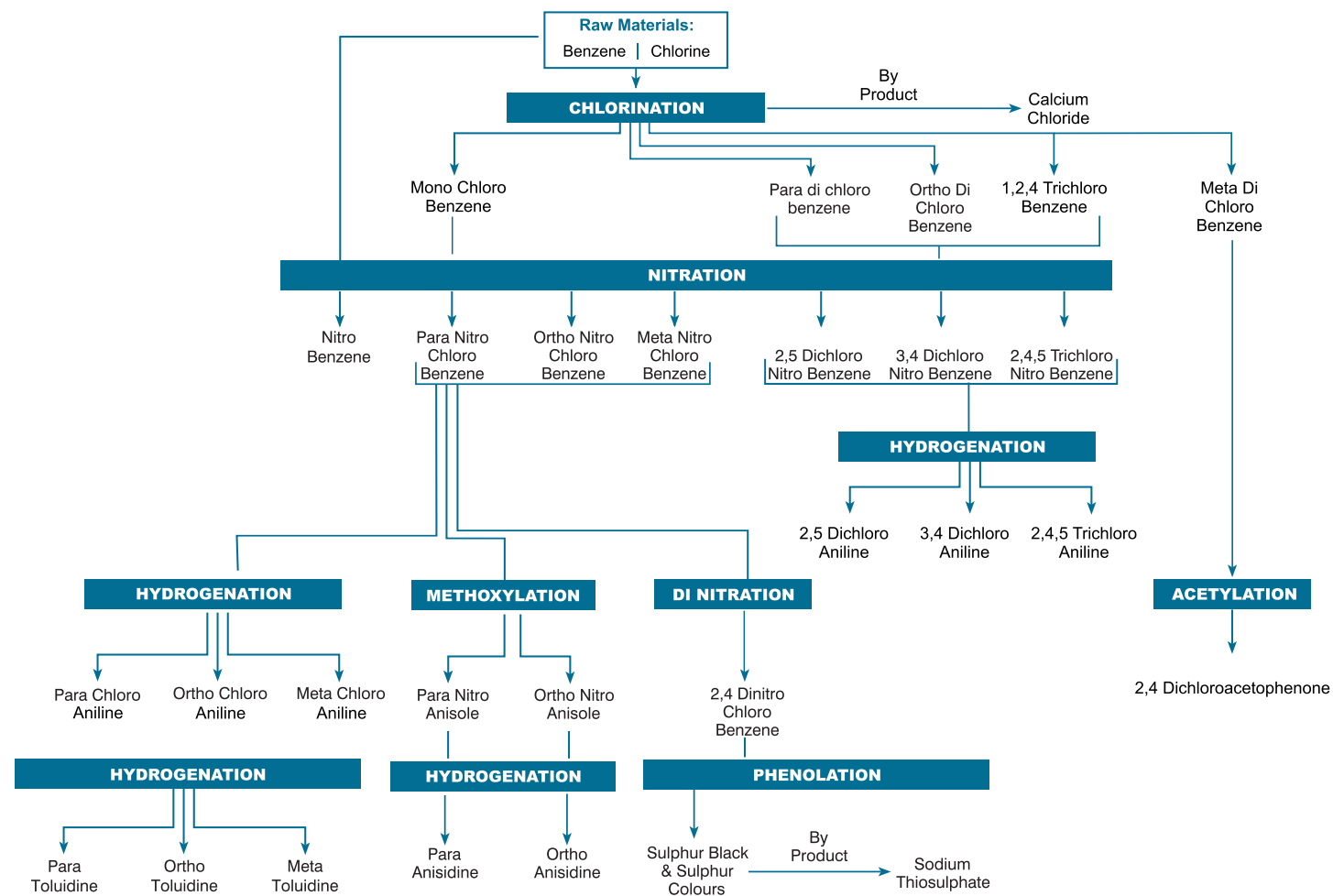
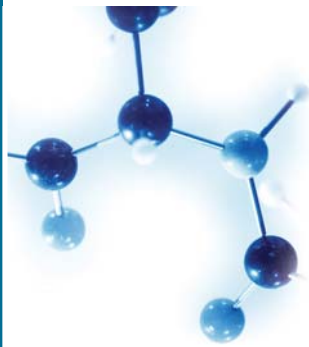
■ Methoxylation

We have all the licenses required to use methanol in our reactions. As a part of vertical integration, we are engaged in methoxylation of Nitro Chloro Benzene derivatives.

■ Reduction by using Sodium Sulphide/ Sodium Hydrogen Sulphide

For certain Benzene derivatives, we do reduction by Sodium Sulphide. When this reaction is done, a by-product Sodium Thio Sulphate is formed. We use this in captive to manufacture Sodium Thio Sulphate anhydrous which is 100 % exported.





Quality

We at Chemieorganic are proud to be ISO 9001:2015 certified. We have a setup containing Gas Chromatography (GC) and High Performance Liquid Chromatographic (HPLC) Instruments for testing purposes and it makes use of the following analytical instruments:

- Auto Titrator
- Auto Clave
- Melting Apparatus
- HPLC
- Spectrophotometer
- UV-VIS-NIR Spectrometer
- Spectrometer
- Gas liquid Chromatography
- High Performance Liquid Chromatography
- Elemental Analyzer
- TLC Analyzer

Fully Integrated Business Model

We place great value in our ability to forward integrate and produce complete value chain from feedstock to finished product within the organisation. This not just ensures high and consistent standards of quality but also enhances cost-competitiveness

Global Supplier of Choice

We have maintained enduring relationships with leading global companies for more than 10 years and are a trusted supplier of choice in over 20 countries, including USA, European Union & East European nations, Japan, ASEAN countries, South Korea and South America.



Environment and Safety



Our commitment to safety, quality and conservation is reflected in our efforts to not only adhere to the statutory norms but also adopt a holistic approach towards environmental protection

We have been awarded by the Government of Gujarat for our safety standards for four consecutive year.

We are a zero discharge unit. By the efficient use of a multiple effect evaporator and incinerators, we manage the disposal and recycling of liquid waste.

We are an equity partner with the local government in a Waste Water pipeline project

Gaseous emissions are scrubbed by the use of well-designed scrubbers manufactured by the best in India (Graphite India Ltd)

Solid waste is transported to government approved disposal sites only

Re-cycling & by-product recovery is optimized to minimize waste

All PPE are mandatory at site. A safety officer is employed to ensure that PPE is strictly used and failure to follow rules is penalized

Safety information on identified workplace risks is provided by Colour Codes throughout the unit. No workforce is allowed to join unless he has gone through a rigorous training program

Health check-up for all employees is done on a regular basis

Complete medical facilities are provided and a fully equipped medical centre and an ambulance are available on-site

Fire-fighting equipment is placed at appropriate locations. Water reservoir of 600 m3 on-site is reserved exclusively for fire-fighting.



Infrastructure

Strategically located in Jhagadia, Bharuch, we have a well-equipped production unit with state-of-the-art machines. Each unit is under the leadership of technical experts and highly skilled workers, maintain the highest level of quality and safety standards.

Pilot Plant

- Continuous trials, experimentation, innovation and new solutions and programs
- Scalable pilot production facility for quantities ranging from litres and kilos to metric tons
- Continuous coordination with Ankleshwar Research Laboratory

Manufacturing Plant

- Our location has clear logistic advantages in relation to suppliers as well as ports (Nhava Sheva, India's largest shipping port is 350 kms from our facility and Hazira Port is 100 kms from our facility)
- Specialization in custom manufacturing with complete set of equipment
- Compliant to ISO 9001:2015, 14001:2015, 45001:2018
- Strength in multiple chemical processes such as nitration, hydrogenation, chlorination, phenolation, methoxylation, distillation, crystallization etc
- Strong track record of safety in hazardous processes including awards from State Government for zero fatalities
- Distributed Control System (DCS), integrated infrastructure



Quality Control Lab

- Batch Production as well as continuous production & control record (BPCR) addressing
- Standard operating procedure followed | EHS aspects in operational control reported directly to Management | QC requirement | Waste management strictly followed as unit is zero discharged
- Compliant to ISO 9001:2015, 14001:2015, 45001:2018
- Quality verification via Design Qualification (DQ), Installation Qualification (IQ) and Operational Qualification (OQ)
- Together For Sustainability (TFS) Score of 97%

Packaging And Logistics

- UN approved bags
- IBC containers for fine & specialty chemicals as and when necessary
- UN Drums of suitable quality
- ISPM certified pallets
- ISO certified tankers for bulk liquids

Warehousing

- Current warehousing capacity - 12,000 MT for finished products.
- Provision to arrange alternative warehousing at short notice as lot of empty vacant land at site. Currently usage only 50% of total land available
- Fully-automated warehouses with barcoding system for systematized loading and unloading of materials