



DEEPAK NITRITE LIMITED

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**Depend on
Deepak**



Why DEPEND ON DEEPAK?

-  **100+** Products
-  **56+** Applications
-  **45+** Countries
-  **54+** Years Legacy
-  **Market Leaders**
Sodium Nitrite/Nitrate, Xylidine, Toluidine, Inorganic Salts, Phenolics and IPA
-  **1500+** Satisfied Customers across the globe
-  **3000+** Suppliers
-  **8** State-of-the-art Manufacturing Facilities
-  **Industry 4.0** Sustained focus on **R&D and Industry 4.0**
-  **68** Cumulative patent Applications filed.
-  Early adaptors of **'Make In India' & 'Aatmanirbhar Bharat'**



“Over the next five years, we plan to establish a world-class integrated complex, to drive domestic growth, meet global demands and position Deepak Group as a leading player in the chemical industry.”

Mr. Deepak C. Mehta
Chairman & Managing Director, Deepak Group

Innovation & Technology for Responsible Chemistry

Our innovation infrastructure consists of a centralised research facility at Nandesari, Gujarat. Recognised by the Department of Scientific & Industrial Research, Government of India, it is equipped with the latest instruments and equipment.

We continue to focus on developing our core technology platforms that include nitration, reduction and diazotisation. Investments are being made into products that utilise our core platforms for new agrochemical and pharmaceutical intermediates.

Key Chemistries

- ⦿ Sulphonation
- ⦿ C-C Coupling
- ⦿ Bromination
- ⦿ Schiemann & Balzschiemann Reactions
- ⦿ Hydrogenation
- ⦿ Nitration
- ⦿ Diazotization
- ⦿ Alkylation
- ⦿ Oxidation
- ⦿ Chlorination
- ⦿ Fluorination
- ⦿ Amination
- ⦿ Grignard Reaction

Deepak Research And Development Centre



Dedicated centralised facility at **Vadodara Gujarat, India**



Recognised by Department of **Scientific & Industrial Research, Govt. of India**



Strong team of 70+ Scientists



36+ patent applications field

In process of building a world-class Technology Centre supply chain efficiency and logistics management using GPS tracking technology

Deepak Research & Development Center (DRDC)

Process Engineering Equipment

- Multipurpose Miniplant Skids with PLC SCADA Control and Dedicated Single Fluid Temperature Control Units (TCU)
- Kilo Lab Scale ANF (3L) and PNF (1-3L)
- High Pressure Catalytic Packed Bed Reactor
- Agitated Thin Film Evaporator (ATFE)
- Wiped Film Evaporator (WFE)
- Rotary Cone Vacuum Dryer (RCVD)
- Automated Distillation Unit (Pilodist)
- Vapour Liquid Equilibrium Data Generation Unit (Pilodist)
- High Pressure Dosing Pumps
- CSTRs and PFRs of Different Sizes
- High Pressure Air/Oxygen based Oxidation in Batch/Continuous Mode
- Hastalloy Reactors for Aggressive Chemistries
- Mass Flow Meters and Controllers

Process Safety Equipment

- Differential Scanning Calorimeter (DSC)
- Reaction Calorimeter (RC)
- Accelerated Rate Calorimeter (ARC)
- Tie ups with reputed industrial labs for specialized safety testing, E.g. Powder Safety

Software & Subscription to Databases

Dynochem | ASPEN Plus | Minitab

Analytical Instruments

- High-Performance Liquid Chromatography (HPLC)
- Ultra-High-Performance Liquid Chromatography (UHPLC)
- Liquid Chromatography-Mass Spectrometry (LCMS)
- Preparative-Scale High-Performance Liquid Chromatography (Prep-HPLC)
- Ion Chromatography (IC)
- Gas Chromatography (GC)
- Gas Chromatography-Mass Spectrometry (GC-MS)
- Atomic Absorption Spectroscopy (AAS)
- Fourier-Transform Infrared Spectroscopy (FTIR)

Committed to Triple Bottomline

Responsible Chemistry

Community Care

- Community development through Deepak Foundation
- Social interventions spanning over **1,500 villages** in Gujarat
- Over **2 million** lives impacted as a result of Community Initiatives
- Over **20,000 community** Covid-19 cases were counselled under CSR initiatives

Health & Safety

- A Responsible Care Company
- DJSI-ESG rating of 47
- ISO 9001, ISO 14001, ISO 45001 certified company
- Together for Sustainability score of 95% awarded to Hyderabad Unit
- Emergency preparedness through regular periodic drills and tests
- Dedicated fire tenders at Nandersari plant and Fire jeeps at all manufacturing locations
- Renewed HAZOP, QRA and safety inspections linked to MOC
- Occupational health centre at each unit
- 64777 man-hours of training

Environment

- **55,000+** trees planted, green belt of 50 ha
- **4,36,526 KL** of water recycled
- **12.49%** reduction in GHG emission (Intensity Basis), from FY22 to FY23
- **The Lowest Thermal Footprint** Phenol Plant in the world
- **CDP** rating B (Management Band)



We are a leading manufacturer of chemical intermediates serving domestic and global customers for over five decades. Our capacities and competencies provide us a robust platform while our people, partnerships and processes drive our operational excellence. We believe there are significant opportunities for growth and our strategic priorities are geared towards sustained value creation.

Manufacturing Locations

📍 Nandesari

The first and flagship manufacturing facility

📍 Roha

Strategically located at Nhava Sheva Port- the largest container port in India.

📍 Hyderabad

Zero Discharge Production

Our DASDA facility at Hyderabad is the most water and energy efficient, making us one of the few companies in the world to produce optical brighteners at a Zero Discharge facility.

📍 Taloja

Multipurpose Distillation

📍 Dahej

Lowest specific energy/carbon footprint

Phenol-Acetone plant
We have set a new benchmark in India with the lowest specific consumption of Steam and Power at the Deepak Phenolics plant at Dahej, Gujarat.

Marquee Clients



Manufacturing Prowess

Strategically located plants

- 3 plants near CETP
- 5 plants in vicinity of customers
- 4 plants near ports

Safe movement

- Processes in place to ensure all goods are transported in a secure manner
- Use of GPS tracking helps prevent any mishaps for all finished products and by-products

Top notch quality

- Culture of continuous improvement resulting in high customer retention and repeat orders
- All supplies are as per customer specifications. This is certified by our Quality Assurance team and a Certificate of Analysis is issued. Material Safety Data Sheet is also provided, if required and requested

Integrated and diverse

- Process competencies ranging from basic to niche and complex chemical intermediates



Thank You For Making Us
India's Fastest Growing 
Chemical Intermediates Company.

