



DEEPAK NITRITE LIMITED

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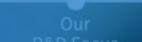
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DEPEND ON DEEPAK

- 100+ Products
- **56+** Applications
- 45+ Countries

- 50+ Years Legacy
- **Market Leaders** Sodium Nitrite/Nitrate, Xylidine, Toluidine, Inorganic Salts, Phenolics and IPA
- 1000+ Satisfied Customers across the globe

- 120+ Suppliers
- 6 State-of-the-art Manufacturing Facilities
- Sustained focus on R&D and Industry 4.0

- **36** Cumulative **Applications Filed**
- Early adaptors of 'Make In India' & 'Aatmanirbhar Bharat'



"Consistency is an invaluable resource in an unpredictable economic environment. Our ability to foresee shifts and respond to them with agility ensures our consistency and distinguishes us as a great organisation."

> 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
 - Fluorination
- Oxidation
- Diazotization
- Hydrogenation C-C Coupling Amination
- Chlorination

- Alkylation
- Nitration
- Bromination
 - 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 02|







Manufacturing Edge

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 Unit (Pilodist)
- High Pressure Dosing Pumps
- CSTRs and PFRs of Different Sizes
- High Pressure Oxidation in Batch/Continuous Mode
- Hastelloy Reactors for Fluorination Chemistry
- Mass Flow Meters and Controllers

Process Safety Equipment

- Differential Scanning Calorimeter (DSC)
- Reaction Calorimeter (RC)
- Accelerated Rate Calorimeter (ARC)

Software

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
- ISO 9001, 14001, OHSAS 18001

Health & Safety

- A Responsible Care Company
- DJSI-ESG rating of 47
- ISO 9001, ISO 14001, ISO 45001 certified company
- Together for Sustainability score of 100 awarded to Dahej Unit
- Emergency preparedness through regular periodic drills and tests
- Dedicated Fire Jeeps at all manufacturing locations
- Renewed HAZOP, QRA and safety inspections linked to MOC
- Occupational health centre at each unit
- 60757 man-hours of safety training

Environment



50,000+ trees planted; green belt of 50 ha.



420,000 KL of water recycled



22% 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

Multipurpose Distillation

? Roha

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

9 Dahei

Lowest Thermal 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.

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.

Marquee Clients

























































Manufacturing Prowess

Strategically located plants

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

Safe movement

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

Top notch quality

- Culture of continuous improvement resulting in high customer stickiness
- All supplies as per customer specification which is tested by quality control team and approved for Certificate of Analysis & Material Safety Data Sheet

Integrated and diverse

 Process competency ranging for basic to niche and complex chemical intermediates



