CHAPTER- 3

PROFILE OF SELECTED CHEMICAL UNITS UNDER STUDY
1. DEEPAK NITRATE PVT. LTD, NANDESARI, VADODARA

Deepak Nitrite is a leading manufacturer of organic, inorganic, fine and specialty chemicals and a world leader in 2, 4 and 2, 6 Xylidine. Working with their partners, customers, they seek to find better ways to meet market demands, using innovative processes and methods. Their people, their technologies and our years of expertise unite to deliver superior products and services that improve life.

Deepak Nitrite is the preferred business partner of chemical majors worldwide in Pharma, Rubber, Colorants and Imaging chemicals. Headquartered at Pune, Deepak Nitrite is a multi-division and multi-product company that has manufacturing facilities at Nandesari, in Gujarat and at Pune, Roha and Taloja in Maharashtra and Hyderabad in Andhra Pradesh, all of them complying with ISO 9001:2000 standards.

Deepak Nitrite poised to take on the opportunities offered by globalization, increasing shareholder value, improving opportunities for their employees, driving greater innovation and seeking sustainable solutions for the world. They are a signatory to the Responsible Care initiative and are committed to ethical business practices.

http://www.deepaknitrite.com

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ABOUT DEEPAK NITRITE

Deepak Nitrite began with a vision to support the country’s drive towards self sufficiency and import substitution in 1970. What began as a fully indigenous sodium nitrite and sodium nitrate plant in Nandesari, Gujarat, has now grown into a globally proactive company with a presence in over 20 countries, including USA, European Union & East European nations, Japan, ASEAN countries, South Korea and South America. This has led to a paradigm shift from low value bulk chemicals and intermediates to high value fine and specialty chemicals based on our core expertise as well as lateral and vertical integration of our existing products, exploring downstream derivatives.

With a strong focus on customer satisfaction, the company has set up Custom Manufacturing services to meet specific needs of end users. Its capabilities extend to the manufacture of high-value, specialty products either based on our own end products or developed especially for our users.

DNL has been ranked amongst the top 500 Body corporate by Dun and Bradstreet for the last three years.

1. INORGANIC & PERFORMANCE CHEMICALS PRODUCT
   - Sodium Nitrite
   - Sodium Nitrate
   - o-Nitrocumene
   - DNPT (Blovel)

2. INORGANIC & PERFORMANCE CHEMICALS PRODUCT
   - Sodium Nitrite
   - Sodium Nitrate
   - o-Nitrocumene
   - DNPT (Blovel)
3. **FINE & SPECIALITY CHEMICALS PRODUCT**
   - MMDPA
   - Methoxyamine HCl
   - SMIA
   - Ethoxy Amine Base
   - Resorcinol
   - 1,3 CHD
   - 4-Hydroxy Carbazole
   - Acetaldehyde oxime

4. **ORGANIC CHEMICALS**
   - 2 EHN
   - 2,3-Xylidine
   - 2,4-Xylidine
   - 2,5-Xylidine
   - 2,6-Xylidine
   - 3,4-Xylidine
   - 3-Nitro-o-xylene

5. **ON DEMAND PRODUCT RANGE PRODUCT**
   - Acetoxime
   - Alkali Blue
   - Benzophenone-3
   - Benzotriazole
   - Benzotriazole
   - Beta-Resorcylic acid
   - GC (Guanidine carbonate)
   - Hydroxylamine free base
   - Hydroxylamine HCl
   - Hydroxylamine sulphate
   - Ink Blue
   - N-O-Alkylated
     - Hydroxylamine’s
   - N-Alkylated Aminophenols
   - o-Nitroanisole
   - O Toluidine 5 Sulfonic Acid
   - Pararosaniline hydrochloride
   - Rhodamine B Base
   - 2 Chloro P. Phenylene Diamine
   - Substituted keto acids
   - Mix Xylidine.
2. SUD-CHEME PVT. LTD. NANDESARI, VADODARA

Sud-Chemie India Manufactures a wide range of catalysts for varied applications in Fertilizer Industries, Refineries, Petrochemical Industries, Sponge Iron Industries and now for emission control in automobile and Stationary engines. Their Products are the result of many years research and development work. They continuously keep on working for improving the quality of our products. As a result the activity levels, efficiency and life of their products have improved considerably over the years.

Quality of their products is continuously evaluated at the high tech laboratories of sud-Chemie group so as to ensure that their products are of international standard.

36 http://www.sud-chemie-india.com/prod.htm
Their sell their products in the domestic market as well as export to various countries including Europe, America, Iran, Libya, Japan and Indonesia. In fact, almost 50% of our turnover is form export.

Their entry into the highly competitive automobile catalytic converter market and capturing of a sizeable share in the two wheeler catcon market in a very short span of three years is indicative of their high caliber and capability. And during this period itself we could make an entry into the European catalytic converter market (for cars).

This unit was established in 1978. A wide range of catalysts are manufactured here. Zeolites and catalytic converters are also manufactured here. Many a state-of-the art division doing research on some specialist areas are functioning here.

The unit is located in Nandesari Industrial Area which is about 22 Kms from Baroda town.
Swati Chemical Industries was set up in 1983 for manufacturing Chlorinated Paraffin Wax (CPW) an active ingredient used in Plastics, PVC tubes, Cable Wires, Paints etc. Since then the company has become one of the leading manufacturers & exporters of range of chemicals servicing to the requirements of customers from diverse industries – Dyes, Agrochemical, Pharmaceutical, Paper, Ceramic, Textiles, Cosmetic, Detergent etc.

Swati Chemical Industries is located at Vadodara, one of the leading business centers in western part of India having a profound presence of several chemical industries which includes a large Integrated Petrochemical Complex i.e. Indian Petrochemical Corporation Limited (IPCL) & Gujarat State Fertilizers Company Limited (GSFC). It is around 400Kms. from the commercial capital of India i.e. Mumbai which is having India’s largest Seaport & Airport. Vadodara also has its Inland Container Depot (ICD) located at Dashrath.

Over 20 years of presence in the international market, Swati Chemical Industries has earned a name of being a quality supplier in the international trade. With an expertise in handling Chlorinated products, they kept themselves upbeat with the market requirements and introduced several new products to their name viz. Mono Chloro Acetic Acid (MCA), Chloro Acetyl Chloride (CAC), Sodium Mono Chloro Acetate (SMCA) which are being used as an active intermediate in Agrochemicals, Pharmaceuticals, Dyes etc. Today, Swati Chemical Industries holds a name for consistently delivering products true to international standards to all its esteemed customers the world over.

37http://www.swatichemicalindustries.com/
Swati Chemical Industries is committed to total customer satisfaction which goes beyond just making a sale. They have with them a team of qualified professional engineers who are trained to live up to customer’s specific requirements and service effectively. Today Swati is a name to beckon within the international market for the products it is manufacturing. They offer in packaging starting from 20Kgs. customized packing to bulk packing in ISO containers.

- **THEIR EXISTING PRODUCTS**
  - Mono Chloro Acetic Acid (Mca)
  - Chloro Acetyl Chloride (Cac)
  - Sodium Mono Chloro Acetate (Smca)
  - Ethylene Diamine Tetra Acetic Acid (Edta) & Its Salts
  - Nitrilo Tri Acetic Acid (Nta)
  - Hydrochloric Acid (Hcl)
  - 2,4 Dichlorophenoxy Acetic Acid (2,4-D Acid)

- **NEW GROWTH AREAS OF SWATI-CHEMICAL**
  - Pivaloyl Chloride
  - Dimethoate
  - Isoproturon
  - Acephate
  - Butachlor
  - Carboxy Methyl Cellulose (CMC)
  - Acetic Acid (Glacial)
  - Caustic Soda Flakes
  - Ammonium Chloride
• SWATI’S QUALITY POLICY.

Swati Chemical Industries shall at all times endeavor to become the most preferred vendor to its customers, a valued customer to its suppliers and a responsible corporate citizen.

Swati Chemical Industries commits itself to strive for total customer satisfaction by consistently delivering products and services which meet the customers agreed requirements and/or conform to specific standards, while doing so due consideration is being taken to the safety of the employees, protection of environments and well being of society. This would be achieved by empowerment of employees by a continuous process of human resource development.
GOYAL GROUP OF INDUSTRIES was born in the chemical belt of Gujarat in 1979. It is emerging on the chemicals horizon as a market leader and engaged in manufacturing and export of dyes intermediates, chlorinated Aromatic compounds and Nitro chloro Aromatic compounds. It has an annual turnover of more than USD 100 million.

PANOLI INTERMEDIATES (INDIA) PVT. LTD. went on stream in 1999 in Jhagadia, to manufacture chlorinated Aromatic compounds, to take proximity advantage of chloro-alkali plants. In 2002, as part of its forward integration plan, Panoli intermediates commissioned a unit to manufacture Nitro Chloro compounds at Nandesari, to avail benefit of common effluent treatment plant facilities developed by industry association.

In 2004, KUTCH CHEMICAL INDUSTRIES LTD., was set up near the international all-weather ports namely Kandla and Mundra with focus on export market potential. It is a well integrated chemical complex consisting of Chlorination, Nitration and Dye Intermediate products.

38 http://kcil.co.in/index.asp
• **THEIR CUSTOMER PROFILE**
  Maintaining stringent international quality norms is the reason for their products’ global acceptance. They are proud to place their Dye intermediates and Chloro-benzene products in some of the leading industrial nations of the world viz. U.S.A., Russia, Singapore, Taiwan, Italy, Korea, Nigeria, South Africa, Brazil, Mexico and China, to name a few.
  All manufacturing units have dedicated Quality Control laboratories equipped with advance testing facilities. Kutch chemical Industries Limited and Panoli Intermediates (India) Pvt. Ltd. Are having good management control systems, accredited with following certifications for their products.
  
  - ISO 9001:2000
  - ISO 14001:2004
  - OHSAS 18001:1999

• **THEIR PRODUCTS**
  - Benzene
  - Toluene
  - Dyes Intermediates
  - Plasticizer
  - Acids

• **CARE FOR ENVIRONMENT**
  Maintaining a clean environment is a commitment at the Goyal Group. All their units comply with the guidelines of the state pollution control Board. Hydrochloric Acid which is generated as a product is actively used to produce Chloro Sulphonic Acid. Similarly spent Sulphuric Acid is consumed by the neighboring fertilizer industry to manufacture Single Super Phosphate Fertilizer. The Jhagadia and Gandhidham plants are rated “Zero effluent” discharge units.
5. GUJARAT ALKALIES AND CHEMICALS LIMITED, VADODARA

Gujarat Alkalies and Chemicals Limited (GACL) were incorporated on 29th March, 1973 in the State of Gujarat by Gujarat Industrial Investment Corporation Limited (GIIC), a wholly owned company of Govt. of Gujarat, as a Core Promoter.

GACL has two units located at Vadodara and Dahej, both in the State of Gujarat. It has integrated manufacturing facilities for Caustic Soda, Chlorine, Hydrogen Gas, Hydrochloric Acid, Chloromethanes, Hydrogen Peroxide, Phosphoric Acid, Potassium Hydroxide, Potassium Carbonate, Sodium Cyanide, and Sodium Ferrocyanide. The Dahej unit also has 90 MW Captive Power Plant (CPP) for regular and economical power supply.

The Company commenced its operations in 1976 with 37,425 MTPA Caustic Soda Plant based on the then, state-of-the-art Mercury Cell process at its Plant which is situated 16 km North of Vadodara near Village Ranoli on the main Railway track route between Ahmedabad and Mumbai.

Right from the inception, GACL has been following the strategy of continuous capacity expansion in core areas. The first stage expansion of the Caustic Soda Plant raising the capacity to 70,425 MTPA was undertaken in October, 1981 followed by a diversification programmed to produce 2000 MTPA of Sodium Cyanide in December, 1982.
In order to add further value to its products, the company had set up manufacturing facility for production of 11000 MTA Hydrogen Peroxide (100%) at Vadodara Complex during the year 1996 to utilize Hydrogen gas, which is a co-product from Caustic Soda Process.

In 1995, as a part of diversification programme and to meet the growing demand of its products in the State of Gujarat and nearby areas, the Company had set up a plant for manufacture of Technical Grade Phosphoric Acid with capacity of 26400 MTA (85% Phosphoric Acid) at a new location at Dahej, District Bharuch. The Company also set up Membrane Cell based grass root Caustic-Chlorine Unit with a capacity of 100000 MTA at Dahej. Along with this, a captive 90 MW co-generation Power Plant was set up so as to ensure uninterrupted and low cost power for its captive operations.

- **THEIR PRODUCTS ARE AS UNDER:**
  
  **CAUSTIC SODA GROUP**
  - Caustic Soda Flakes
  - Caustic Soda Lye
  - Caustic Soda Prills
  - Sodium Hypo Chlorite
  - Liquid Chlorine
  - Compressed Hydrogen Gas
  - Hydrochloric Acid

  **1. CAUSTIC POTAISH GROUP**
  - Caustic Potash Flakes
  - Caustic Potash Lye
  - Potassium Carbonate

  **2. CHLOROMETHANE GROUP**
  - Methyle Chloride
  - Methylene Chloride
  - Chloroform
3. SODIUM GROUP
   - Sodium Cyanide
   - Sodium Ferro Cyanide

4. HYDROGEN PEROXIDE GROUP
   - Hydrogen Peroxide
   - Bleachwin

5. PHOSPHORIC ACID GROUP
   - Phosphoric Acid
   - Calcium Chloride Flakes

6. PHOSPHORIC ACID GROUP
   - Phosphoric Acid
   - Calcium Chloride Flakes
   - Calcium Chloride Powder
   - Others
   - Dilute Sulphuric Acid
   - Scalewin
   - Aluminum Chloride Anhydrous
Reckon Pharmachem (P) Ltd was established in 2005 with API manufacturing plant, dedicated for Ascorbic Acid & its derivatives as per GMP and ICH guidelines. The Plant is located at 125/5, GIDC, Nandesari, which is 12km away from Vadodara city. G.I.D.C.Nandesari has full-fledged facilities of CETP- Common Effluent Treatment Plant and SOLID & HAZARDOUS Disposable plant - as per guidelines of GPCB (Gujarat Pollution Control Board and Central Pollution Board).

The estate offers world class concrete cemented roads, with some of the prominent industries such as GACL, GSFC, IPCI, Gujarat Refinery, and Gujarat Power Project. IPCA-Tonira Pharma. Farmson Analgesics, Malti Research center, etc. They are one of the prime and old members of Nandesari Industrial Association. They ensure, from time to time various resources and competency of their people and their proficiency in the related work area to have continuous improvement.

- **PRODUCTS**

Reckon Pharmachem Pvt. Ltd. Offers the complete range of "Vitamin C" grades and customizes the crystal, mesh and bulk density size for Indian and export market.

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40http://reckon.in/
A. ASCORBIC ACID PLAIN (VITAMIN C - PLAIN)

Vitamin C is an 'antioxidant' that helps in protecting the body from the harmful effects of too many free radicals. In the inner system, it helps the white blood cells to fight infection. It helps in lowering of the capillary vessel Brittleness, enhancement of physical resistibility, protection against scurvy, function to aid the cure for acute & chronic contagious diseases and purpura.

B. Ascorbic Acid Coated (Vitamin C - Coated)

Vitamin C- Coated having a strong anti-oxidation property, can be used as feed additive. It displays high utilization ratio and low losses when used in high temperature. It used as a pharmaceuticals raw material, for producing Vitamin C capsules and premixes in the respective industry.

C. SODIUM ASCORBATE (IP/BP/USP)

Sodium Ascorbate is the result of one step above process of Ascorbic Acid making it as the most successful grade in the consumption of ascorbic acid in food drug range.

D. CALCIUM ASCORBATE

Calcium Ascorbate with its richness in calcium is an outstanding combination for serving the functionality of ascorbic acid while removing the deficiency of calcium.

E. FERROUS ASCORBATE

It is an excellent source of iron in pharmaceutical preparation for making syrups, drops, tablets and capsules. It is a vital source of drug for iron and other immunity during pregnancy. It can also be used in food products and veterinary preparation as source of iron.
F. SAFETY

- Safety Department with Safety anagerobe ensures Safety practices at work place, like work permit, system, plant safety, inspection etc.
- Continuous & Systematic internal auditing of Systems.
- Imparting relevant training to all employees including contract employees.
The chemical belt of Gujarat witnessed the birth of Goyal Group of Industries in 1977 which started as a small Plasticizer unit at Nandesari, near the Industrial town of Vadodara. Today it has evolved into one of India's leading manufacturer of Chlorination and Nitration processed Products. An emerging leader in the chemical market horizon, the group manufactures and exports dyes intermediates, chlorinated Aromatic compounds and Nitro chloro Aromatic compounds, with an annual turnover of more than USD 130 million.

The proximity to Chloro alkali plants & advantage of this lead to its foundation in 1999 in Jhagadia to manufacture Chlorinated Aromatic compounds by having Chlorine through pipeline from adjacent Chloro alkali plant. 2002 saw the commissioning of a Nitro compounds manufacturing unit in Nandesari for its forward integration plans. This also gave the benefit of getting common effluent treatment plant facilities developed by the industries association there. In 2009, as a part of forward integration Hydrogenation facility for producing value added Benzene and Toluene base derivatives at Jhagadia is commissioned.

- **THEIR MAJOR PRODUCTS**
  - Chlorination Products
  - Nitration Products
  - Hydrogenation Products.
  - Sulphuric Acid Group Product
  - Dyes Intermediates Products

41 http://reckon.in/
8. INEOS ABS (INDIA) LIMITED (PLASTIC)\textsuperscript{42}

- The Company was incorporated as ABS Plastics Limited in the year 1973.
- In 1992, the name was changed to ABS Industries Limited.
- In 1997, Bayer AG acquired a majority share of 51% in ABS Industries Limited. The company then became a part of the Bayer group and was rechristened as “Bayer ABS Limited”.
- In early 2004, Bayer Group globally decided to restructure its business, the styrenic-based Polymer products became the part of a new group named LANXESS and Company's name changed to "LANXESS ABS Limited".
- In 2008, INEOS ABS (Jersey) Limited, UK, acquired major stake constituting 83.33 % of total paid up capital of the Company, thereby becoming the holding Company of LANXESS ABS Ltd. After following appropriate required procedure, the change of name was effected from. June 17, 2008 to INEOS ABS (India) Limited.

- THEIR PRODUCT
  
  A. ABSOLAC - (ABS)

  Absolac is plastic resin produced from Acrylonitrile, Butadiene & Styrene.
  
  It is a widely used intermediary product. Its applications range from home appliances to Automobile and consumer durables to business machines.

\textsuperscript{42}http://reckon.in/
B. ABSOLAN - (SAN)

Absolan is also a polymerized plastic resin which is produced from Styrene & Acrylonitrile. It has its main applications in the Lightings, Stationeries and novelties, Refrigerators and cosmetic packing.

C. COMPANY PROFILE

The Company was originally incorporated as ABS Plastics Limited in the year 1973 then changed its name to ABS Industries Limited. The erstwhile ABS Industries Limited now INEOS ABS (India) Limited (the ‘Company’) w.e.f. June 17, 2008, is a pioneer in developing the market for the versatile engineering thermoplastic material – Acrylonitrile Butadiene Styrene (ABS) in India, when it started its operation in 1978 by manufacturing and marketing ABS polymer under the brand name of ABSOLAC. Since then the company has been continuously growing through a planned process of aggressive market development and consolidation, technology updation and capacity build up.

The company also set up India’s first modern and dedicated Styrene Acrylonitrile (SAN) plant in 1993, with technical know-how from M/s JSR, Japan for manufacture of various grades of ABSOLAN – SAN.

In early 1997, Bayer Industries Private Limited, a 100% holding company of the German major, Bayer AG acquired a majority share of 51% in ABS Industries Limited. The company then became a part of the Bayer group and was rechristened as “Bayer ABS Limited”.

In early 2004, Bayer Group globally decided carving out of styrenic-based Polymer products, beside other business, into a new group LANXESS, the said business was then globally transferred to a 100% subsidiary of Bayer AG to a Company styled as LANXESS Deutschland GmbH. Once the business
operations at Bayer ABS Ltd were regrouped within the LANXESS group, LANXESS AG has become an ultimate holding Company under the spin off process.

LANXESS India Private Ltd. (which is 100% subsidiary of LANXESS AG Germany) acquired 89,63,564 equity shares of Rs.10/- each in Bayer ABS Ltd (BABS) constituting 50.97% of the paid up share capital of Bayer ABS Limited from Bayer Industries Private Ltd and became a holding Company of the Company.

Consequent to acquisition of 50.97 % share capital by LANXESS India Private Ltd. and the shareholders approval at the 32nd Annual General Meeting held on 28th April, 2005, the Office of Registrar of Companies (ROC) has approved the change of name of the Company from Bayer ABS Limited to LANXESS ABS Limited w.e.f. 29th April, 2005.

The Company is a public listed company and actively traded in National stock Exchange Limited (NSE) & Bombay Stock Exchange Limited (BSE).

The 3rd major global Chemical giant INEOS Group, approx. turnover of 45 $ Bn, entered into an agreement with LANXESS AG, Germany, to acquire world over the styrenic business (ABS) and in the process INEOS ABS (Jersey) Limited entered into an agreement with the promoters of the Company and LANXESS INDIA Pvt. Ltd. to acquire major the stake in LANXESS ABS Ltd. INEOS Group made an offer to the general shareholders through open offer, to acquire major stake in LANXESS ABS Ltd. to an agreed price stated in the open offer.

Thus INEOS ABS (Jersey) Limited, then acquired major stake constituting 83.33 % of total paid up capital, which concluded on March 5, 2008. Thus, from 13th March, 2008, INEOS ABS (Jersey) Limited, part of chemical major
global group 'INEOS', held 83.33% of paid up capital comprising 14,653,705 no. of Equity Shares of the Company, became the holding Company of LANXESS ABS Ltd. and controlled the management and affairs of the Company. The office of Registrar of Companies has then granted change of name w.e.f. June 17, 2008 to INEOS ABS (India) Limited.

The company has introduced tailor-made grades in ABS, to suit specific requirements of customers who are the leading manufacturers in the field of household, automotive, electronics and telecom sector.

Some of the prominent clients of the Company include Samsung, LG, Videocon, BPL, Ford, Hero Honda, Cello, Lexi and Bajaj. With an uptrend in consumer spending on automobiles, white goods and electronic products the demand for ABS resin is growing up significantly.

With a well defined accent on quality monitors on inputs, process controls, packaging and finished products, INEOS ABS (India) Limited offers its customers an extensive range of performance thermoplastics – from its indigenous production. The range of products and the variety of grades for a given product are developed and made, to meet almost all the requirements of many sectors of the industry demanding high performance & quality.

Fuelled by the increasing worldwide demand for engineering thermoplastics, INEOS ABS (India) Limited, a public listed company in NSE & BSE has already commissioned its expansion of SAN capacity from 36,000 tpa to 65,000 tpa, which has helped increasing its capacity of ABS from 60,000 tpa to 1,00,000 tpa. This expansion to 100,000 tpa is being funded through internal accruals. The SAN polymer is being used for captive consumption for making ABS and is also being sold as merchant product.
According to Mr. Rakesh Agrawal, Managing Director of the Company “The future is in polymers. The investment in the state-of-the-art R&D facilities at Moxi is paying us rich dividends. With an uptrend in consumer spending on automobiles, white goods and electronic products the demand for ABS resin will go up significantly. We also see good scope for SAN resins.”

The Company enjoys a debt free situation today and is expected to perform well in forthcoming years. With its technological expertise and international collaboration with global leaders, the Company has always anticipated future demand and it has increased capacities steadily to meet these demands. The Company is watching eagerly the developments in China. To have quick responses to such developments the Company is also carrying out studies for a grass-root facility.
Rubumin is a rapidly growing organization having operations in India and D. R. Congo. Its operations include Mineral Exploration, Metal Extraction as well as Metal Compounds manufacturing. Going into the year 2008-2009, Rubumin will foray into Recycling of Spent Catalyst to produce non-ferrous metals such as Copper, Cobalt, Nickel, Molybdenum, Manganese, Vanadium and Tungsten as well as Recycling of Zinc bearing secondary material. The businesses are grouped as under:

**RUBAMIN LIMITED**
- Cobalt Metal & salts
- Zinc Oxide
- Recycling
- Mineral Exploration
- Copper Manufacturing

It has 5 manufacturing sites in India and over 5000 Sq. Kms of different mineral concessions in D. R. Congo, most of which are located in mineral rich Katanga province.

Rubumin has commenced the commercial production of Copper Blister at its Greenfield manufacturing facility at Likasi, D. R. Congo in May 2008.

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43 http://www.rubamin.com/
It is the largest manufacturer of Zinc Oxide in India and is one of the only two manufacturers of Cobalt metal in India.

Rubumin has appointed Chemlock Metals Corp. as its global distributor for Cobalt Metal and compounds, Zinc Oxide and Zinc compounds, Molybdenum compounds, and Cadmium compounds.

The three businesses of Rubumin group are run as separate Strategic Business Units and Profit centres. These are supported by centralized corporate functions like H.R., Projects, MIS as well as Finance & Accounts.

ICICI Ventures, one of the leading Private Equity companies in India has taken a strategic stake in Rubumin in July 2007.

Rubumin is committed to excellence in all its endeavors, with an unwavering focus on Customer Delight.

- **Cobalt**
  They are the leading producer of cobalt metal and cobalt salts in India. Their core activity comprises of processing and recovery of cobalt Metal, Cobalt salts, Nickel Metal, Nickel Salts, Copper Metal and Copper Sulphate from cobalt bearing ores, concentrates and other cobalt-Nickel-copper containing recyclable materials.

- **ZINC OXIDE**
  Rubumin Limited is the leading manufacturer and exporter of Zinc Oxide in India. They have five manufacturing facilities offering almost all grades of Zinc Oxide.

- **HALOL**
  This facility uses Calcination Process for manufacturing Zinc Oxide. It is situated at Halol, an industrial town in Gujarat, located 32 km north-east if Vadodara.
• RESEARCH AND DEVELOPMENT

Rubumin Technology Centre

The corporate technology centre of the company - has a modern laboratory, and a team of well qualified personnel. It develops new processes and new products, carries out process engineering, and trouble shoots various technical problems of the company. As a part of its responsibility, the centre also examines various environmental issues, and recommends solution.

The centre focuses on unit operations and processes for leaching, purification, solid - liquid separation, solvent extraction, electro-winning and environmental remediation in the field of hydrometallurgy. It has also started activities in the area of pyrometallurgy and geology, catering to the need of the company in India and in Democratic Republic of Congo.

The centre is recognized by Department of Scientific & Industrial Research, Ministry of Science & Technology, Government of India, New Delhi. It is also recognized by MS University, Vadodara, India as centre of Excellence for students working for doctorate degree.

They also have a pilot plant replicating with the processing plant to conduct trial runs before implementing them on a commercial scale.
Paushak, an Alembic Group company, was established in 1972, 40 Kms outside Vadodara (Gujarat) and about 400 Kms north of Mumbai. Over the years the company has established a multi product capability in Phosgene & its derivatives manufacturing.

In last 25 years the experience of the company has given it an Indigenous process development capability. Company has also handled Custom Synthesis and Contract based research.

Paushak has production capacity of 150 tons per month of phosgene with a turnover of US $ 3.5 Million p.a. with a workforce of 200 plus. Company has an in-house process development and R & D laboratory. They also have corporate support in Production, R&D, QA, etc.

Phosgene is a versatile molecule and its derivatives they produce have applications in diverse fields like Pharmaceuticals, Agrochemicals, Polyurethanes, perfumeries, dyes, etc.

Paushak has been awarded:

- Certificate of merit for the years 1990-91 & 1991-1992 by Chemexcil (Government of India)
- Recognized for its contribution towards environment in the year 1997 by Forest Department (State government).

44 http://www.paushak.com/aboutus.htm
• CUSTOM PHOSGENATION

Paushak offers unique capabilities in development & commercialization of phosgene based products. Paushak accepts challenging product development request on routine basis. Laboratory Facilities are specifically designed & equipped for safely conducting Phosgenation and related reactions.

Specialized analytical skills support, new product research & process development. Well experienced in chemical research & process development, leading to laboratory scale, pilot scale & commercial production. Expertise and resources are available to produce a wide range of specialty chemicals.

➢ Cholroformates
➢ Isocyanates
➢ Carbamoyl chlorides
➢ Substituted urea
➢ Acid chlorides
➢ Carbonates
➢ Carbamates

• TOLL MANUFACTURING

Paushak has a proven itself in meeting the special needs of customers on a contract manufacturing basis.

They can undertake toll/ contract manufacturing for Phosgenation to produce Carbamoyl chloride, Isocyanate, Choloformate, Urea, etc.
11. SHREE VARDAYINI CHEMICAL INDUSTRIES PVT. LTD.
ANKLESHAVER.\textsuperscript{45}

- **SACCHARIN IS OUR FAMILY BUSINESS.**
  Founder of the present business Shri Himmatlal P. Patel was associated with a company as a Manager, who have very first time manufactured Saccharin in India before 1950 at Mumbai.

  Thereafter he has promoted Saccharin manufacturing Partnership Company in 1975 at Mumbai.

  In 1986, Shree Vardayini Chemical Ind. Pvt Ltd. was founded at GIDC, Ankleshwar as a family concern, Shri Himmatlal P. Patel as a Chairman and Managing Director of the company with his more than 40 years of experience in the line with highest integrity and business ethics which have been kept alive at present by their two-son- Shri Hasmukh H. Patel and Shri Dinkar H. Patel.

  The present business is run with the internal blessing of their family Goddess, Shri Vardayini Mata at village Rupal, Dist.-Gandhinagar, Ahmedabad – India.

- **ABOUT SHREE VARDAYINI CHEMICAL IND. PVT LTD.**
  Founder of the present business Shri Himmatlal P. Patel was associated with a company as a Manager, who have very first time manufactured Saccharin in India before 1950 at Mumbai. Thereafter he has promoted Saccharin manufacturing Partnership Company in 1975 at Mumbai.

\textsuperscript{45}http://www.vardayini.com/
In 1986, Shree Vardayini Chemical Ind. Pvt Ltd. was founded at GIDC, Ankleshwar as a family concern, Shri Himmatlal P. Patel as a Chairman and Managing Director of the company with his more than 40 years of experience in the line with highest integrity and business ethics which have been kept alive at present by their two-son- Shri Hasmukh H. Patel and Shri Dinkar H. Patel. The present business is run with the internal blessing of their family Goddess, Shri Vardayini Mata at village Rupal, Dist.-Gandhinagar, Ahmedabad – India.

- **SHREE VARDAYINI CHEMICAL IND. PVT. LTD – PRODUCTS:**
  - Saccharin 550 insoluble
  - Saccharin Sodium
  - Para Toluene Sulphonamide (Pts Amide)
  - Ortho Para Amide Mixture (O P Mixture)
  - Para Toluene Sulphonyl Chloride (Pts Chloride) Crude
  - Para Toluene Sulphonyl Chloride (Pts Chloride) Stable Grade
  - 4-Amino 6-Chloro Benzene 1,3 Disulphonamide
  - 4-Bromo-2, 2-Diphenylbutyronitrile
  - Diphenylacetonitrile
  - Glucosamine.Hcl
  - Glucosamine Sulphate 2-Kcl
  - Glucosamine Sulphate 2-Nacl
  - Ortho Toluene Sulphonamide (Ots Amide)

- **ENVIRONMENT POLICY**

  Shree Vardayini Chemical Industries Pvt. Ltd., is committed to improve its environment performance by minimizing adverse impact on environment and people due to its manufacturing operations related to Saccharin and its intermediate and By-Products, through proper control of its operation and advertent use of pollution control equipments.
The company is committed to continual improvement in areas of waste minimization and releases to environment, especially to land and air through:-

- Innovative improvement in manufacturing process and operation.
- Good House Keeping
- Minimizing Wastes
- Minimizing resource consumption

The Company shall implement the following principles of pollution prevention:-

- Reduction at source
- Recycle/Recovery/Reuse
- Collection, Treatment and suitable disposal of wastes

The Company has committed to comply with all applicable Environment legislation and regulations. All employees shall be imparted necessary training to enable them to implement the policy. The policy, objectives and targets shall be retrieved annually and communicated to all employees and other interested parties.
Shreeji Group of Companies having their corporate office, manufacturing facility and go down at the plot no.2210, G.I.D.C., Ankleshwar, Dist: Bharuch, Gujarat has diversified business mainly of Manufacturing of Industrial Chemicals, Export & Import of Chemicals, Dealing of Chemicals and all types of civil construction. They firmly believe that complete customer satisfaction should be the outcome of any business enterprise and they have been constantly attempting to win reliance of their customer through continued efforts, team work and optimum utilization of all resources available with them. Since inception of their first business venture, Shreeji construction in 1980, they have constantly spreading their wings in business arena followed by establishment of Shreeji Chem in 1992 for manufacturing chemicals and establishment of Shreeji Exim Incorp in 2006 for export and import of chemicals. Since 1992, together with their domestic and overseas associates, they have established global network capable of catering the need of chemical industries. They also deal in surplus chemicals to facilitate their consumer to buy/sell surplus chemicals lying with them unused.

Products, they mainly deal/exported/imported

- Pigments like Alpha blue, Beta Blue, Green 7, Green 8, Yellow 12, Orange 13 etc
- Optical Brightening Agent
- Zirconium Silicate

46http://www.shreejieximincorp.com/
- Zirconium Floor
- Ceramic colors & Body Stain
- Synthetic Iron Oxide Pigment Yellow, Red
- Maleic Anhydride
- Nickel Oxide
- Cobalt Oxide
- Ethylene Diamine
- Sodium Silicate
- Sodium Meta Silicate
- Propylene Glycol
- Aluminum Hydroxide - Pharma Grade
- Ferrous Sulfate
- Alum
- SMCA
- Bis (2-Chloroethyl Amine) Hcl
- Acetonitrile (Actn)
- Acrilonitrile (Acn)
- Acetic Acid Glacial
- Arosile 200
- Citric Acid
- Diethanolamine
- Glycerine
- IPA
- ISO Butanol
- M.C.A
- Methylene Di Chloride (Mdc)
- Phthalic Anhydride
- Tetrahydrofuran (Thf)
Introduction to Aarti Group

Aarti has started its operations in the year 1975 in the name of alchemie labs in a small of way with a single product namely Dimentyl sulphate. Today Aarti is one of the leading suppliers to global manufacturers of Dyes, Pigments, Agrochemicals, Pharmaceuticals & rubber chemicals. Aarti has acquired world-class expertise in the development & manufacture of these chemicals. Aarti is amongst the largest producers of Benzene based basic and intermediate chemicals in India. It has corporate office in Mumbai & representatives in U.S.A & Europe.

- Aarti has 16 manufacturing units spread across Gujarat & Maharashtra and a strong Research & Development with sophisticated instruments & pool of scientists.

- Aarti has strong Research & Development center with sophisticated instruments & pool of scientists.

- Aarti has customers spread across the globe in 60 countries with major presence in USA, Europe, Japan & India.

- AARTI has attained a group turnover of US $ 515 million in the year April 2009 – March 2010.

AARTI group is strategically placed to exploit growth opportunities in the Chemical Industry. In view of its technical expertise and broad base satisfied

http://www.aartigroup.com/
cliente in India and abroad, AARTI is looking for global partners and strategic alliances in areas of mutual interest viz.

- Development of International markets for AARTI's products.
- Toll manufacturing.
- Transfer of Technology / Technical know-how.

Aarti Industries Limited (Ail) & Aarti Drugs Limited (ADL) are listed on Stock Exchanges. Aarti has a Subsidiary Aarti Healthcare Limited (AHCL), which is engaged in manufacturing of Active Pharma ingredients ranging from Ace Inhibitors, Broncodialators to Steroids.

**PRODUCT LIST**

- Para Nitro Chloro Benzene (PNCB) & Derivatives
- Ortho Nitro Chloro Benzene (ONCB) & Derivatives
- 2:4 Dinitro Chloro Benzene (DNCB) & Derivatives
- Para Dichloro Benzene (PDCB) & Derivatives
- Ortho Dichloro Benzene (ODCB) & Derivatives
- Nitro Benzene & Derivatives
- Nitro Toluenes & Derivatives
- Dimethyl Sulfate
- Sulfuric Acid & Allied Products
- Chloro Phenols
- Polymer Additives
- Plastisizers
- Alkylated Anilines & Alkylated Toluidines
- Fluoro Compounds
• **RESEARCH & DEVELOPMENT**

AARTI has expertise in developing new products and processes that have world-class quality. AARTI is doing Research in various areas with special emphasis on Pharmaceutical Intermediates, Agro Intermediates, Pharmaceuticals, Agrochemicals and Speciality Chemicals.

Aarti has Research & Development facility which is approved by DSIR. Aarti has dedicated pool of engineers & scientists who continuously work on new products processes & innovations.

AARTI has fully equipped laboratory with high-tech advanced instruments and highly qualified technical personnel at its R & D centers. Its advanced Analytical Instruments include:

- Gas Chromatograph & HPLC
- Auto Titrator
- UV Visible Spectrophotometer
- Digital Polarimeter
- Digital Melting Point Instrument
- FTIR Spectrophotometer

AARTI's pharmaceutical plants are GMP approved and some of the plants have got ISO 9002 Certification.
Shree Ram Chemicals Industries

A leading Chemical Manufacturer-Exporter, established in the year of 1990 in India. They are manufacturing Dye Intermediates, Textile Chemicals, Electroplating Chemicals, Detergent Chemicals, Textile Auxiliaries & other Chemicals. They have experienced continued success as well as considerable growth and also have built a reputation for high quality chemical products since their inception.

Shree Ram Chemicals Industries are having large production house with modern Technology Plant & Machinery for all kinds of Sulphonation, Nitration & Amination and thus ensuring World class quality products as well as timely delivery of the goods to their valued Customers all over the World. Over the years, the Company has achieved a steady growth in productivity, output and employment as well as expanded its products range. The Company has further integrated all of its manufacturing activities for improved operational efficiency to achieve a respectable position in the worldwide Chemical Industry.

Shree Ram Chemicals Industries are having an International Standard R & D Laboratory with sophisticated equipments, managed by technically well qualified personnel. All the raw materials and finished products undergo stringent quality checks at various levels of manufacturing and thereby offering superior quality products to their Customers, whose satisfaction is their prime concern & mission.

http://www.shreeramchem.com/
A self imposed high International Standard quality consciousness, a strictly monitored service parameter, adequate stock levels and prompt shipment, have made them one of the leading Manufacturer-Exporter for Dyes Intermediates & Chemicals in India.

Shree Ram Chemicals Industries have been aggressively expanding into international markets and with growing sales in each continent it is their aspiration/mission to establish their Company as a leading Chemical Brand worldwide.

Shree Ram Chemicals Industries will co-operate sincerely and go hand in hand with every Customer, taking the concept of "Pursuing the utmost of quality and service".

- **RESEARCH & DEVELOPMENT (R & D)**

  Their Policy For R & D
  Integrate dispersed Research & Development forces and make them work together effectively. To maintain stable investment in Research & Development from a long range viewpoint.

  To make Corporate R & D a self driven Organization and club technologies to business results through “Entereprenurship”.

  Leverage close interaction with valuable customers to provide practical solutions to real world problems by the creation & combination of innovative technologies.

- **PRODUCTS**
  - **Dyes intermediates**
    - Resist Salt
    - Metanilic Acid
- Sulpho Tobias Acid
- P.N.T.O.S.A
- Aniline 2:5 Disulfonic Acid
- D.N.S.D.A.
- Aniline 2:4 Disulphonic Acid
- D.E.M.A.P
- S.P.C.P
- M.P.D.S.A
- 1:4 S.P.M.P
- M.P.D.D.S.A.
- M.U.A.
- B.D.S.A.

- **Dyes**
  - Reactive dyes
  - Direct dyes

- **Textile chemicals**
  - Resist Salt
  - Sodium Formate
  - Sodium Bisulphite
  - Sodium metasilicate
  - Sodium Sulphate

- **Electroplating chemicals**
  - Resist Salt
  - Sodium Formate
15. SHANTI INDUSTRIES, AHMEDABAD

Chemicals, Cosmetics & Agarbatti > Inorganic Chemicals > Chemicals – Industrial

Products / Services they offer:

- **LIST OF PRODUCTS**
  - Sodium bisulphite
  - Sodium metabisulphite
  - Sodium sulphite
  - Sodium sulphide (Lump, Flakes) § Barium rout § Sodium rout

- **SODIUM PHOSPHATE**
  - Tri sodium phosphate
  - Sodium hexametasulphate
  - Sodium tripolyphosphate

- **COMPANY’S PROFILE**
  Companies are manufacturing many products of sodium and sulfur
Indian Chemical Industries (ICI), Ahmedabad India is the leading manufacturer of pigments and Dyestuffs. ICI is dedicated ISO-9001 Company. The company has been serving its valuable clients for the past 50 years. ICI has a wide distribution network for efficient and effective delivery. It is well supported by qualified techno-commercial professionals for better customer service and application support. Adherence to quality management practices and total customer satisfaction are the company’s prime objectives. They continuously upgrade their product to meet the new challenges in the modern Hi-tech world.

**ABOUT INDIAN CHEMICAL INDUSTRIES**

Indian Chemical Industries is a manufacturers and exporters of pigment, plastisol inks, fast salt and ingrain dyes, reactive dyes, dyes and intermediate, organic pigment. A young bachelor of science, driven by an industry in the throes of a revolution, quickly became part of it by initiating trade in dyestuffs to fulfill the acute need of the textile industries in erstwhile Manchester of India, Ahmadabad.

49 [http://www.indiamart.com/company/149001/]
Thereafter, by 1961, through ingenuity and sheer grit, he started importing various specialty dyestuffs. By the year 1963, this young man Shri J.R. Shah was well versed enough in the nuances of the industry to plunge headlong into the nascent industry of dye manufacture.

The indefatigable spirit of this intrepid entrepreneur ensured that his company kept abreast of latest developments and needs of the textile industry by rapidly expanding the product range on offer. Now it comes 1971, and this unstoppable dynamo had consolidated his manufacturing base to use it as a launch pad for exporting to the world. And, in 1980 by expanding the range, Mr. Shah enriched the pigment palette of the product portfolio. In 1986, a fresh revolution overtook the Company INDIAN CHEMICAL INDUSTRIES, the Pigment and Dyestuff Company came of age. It was a coming together of new ideas infused with innovation, initiated at the behalf of the second generation in command, Mr.Deven Shah. Under his enthusiastic and visionary leadership, teamwork was introduced and every part of the product delivery process was fine tuned to meet the stringent demand of the world markets.

- **PRODUCTS & SERVICES**
  - Icho Salt
  - Ichofix
  - Ichoflex
  - Ichologen
  - Ichoprint
  - Ichozol
  - Octa Mine
  - Octadoze
  - Octafine
  - Octapol
1) Year of Establishment: 1987
2) India MART Member Since: 2003
3) Nature of Business: Manufacturer, Exporter
4) Number of Employees: 101 to 500 People
5) Turnover: US$ 0.25-1 Million (or Rs. 1-4 Crore Approx.)

- CUSTOMER RELATIONS:

Close customer contact and a high level of innovation are the two basics for a flexible response to customers’ individual requirements and specific processes. These form the basis of the tailored services and applications with which ICI helps its customers to meet their operating and financial targets. Customer requirements are usually centered around two challenges: making manufacturing processes faster and more cost-efficient; and adding new or improved features to end products. ICI is closely involved in developing these product features and constantly seeks potential for improvement so as to be a knowledgeable advisor for its customers.

ICI attempts to be the leading service-driven company and the preferred partner in the specialty chemicals industry. Their promise to service contributes to the success of their customers. They combine leading-edge technology and innovations with superior applications and customer service skills.
Daksh Chemicals is a well established business house located at GIDC Nandesari, Vadodara engaged in the trading of Pharma Chemicals. They are a reputed manufacturer and supplier of Pharma Intermediates like Dimethyl amino ethyl chloride HCL, Diethyl amino ethyl chloride HCL, and 2-chloro ethyl amine HCL, Dimethylaminopropyl Chloride HCL. They are also a prominent exporter of Bis (2-chloro ethyl) amine HCL. Their products are processed from the best quality raw materials thereby ensuring their high quality and performance.

Honesty, authenticity, genuine and trustworthy nature of the company has assisted it to achieve a reputed name in the Pharma chemicals industry. They aim to provide end to end solutions for pharmaceutical chemicals owing to their technical expertise and rich experience of the field. Consequently, they are reckoned as one of the credible 2-Chloroethylamine Hydrochloride Suppliers in India.

**COMPANY PROFILE**

Daksh Chemicals had its beginning in the year 2004. The company is located at Baroda, Gujarat. Mr. Bhanubhai kothia is the CEO of the company under whose headship they have been able to establish themselves as a reliable entity in the market. They aim to lead in the international Pharma market with the assistance of their valuable and trusted clients.

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50 http://www.dakshchemicals.com/contact-us.htm
• **RESOURCES**

Their sound infrastructure and highly qualified team are the backbone of the company. They have a robust infrastructural base which is well equipped with high technology machines and equipments for the bulk and efficient production of Pharmaceutical Intermediates & Chemicals. They are having an experienced and talented team of experts, who always strive hard to improve the quality of the chemicals and satisfy their esteemed clients.

• **QUALITY**

The strength of their company lies in the quality of their Pharma chemicals. They give paramount importance to the quality and for this they procure raw materials from the well recognized manufacturers, so that they can manufacture optimum quality products. To ensure the quality of the chemicals, they use stringent quality checks at various levels of production.

• **NETWORK**

They have a well established business network that is not only spread in the national market but also in the overseas markets like Germany. Their formidable network has enabled them in the timely and efficient delivery of the pharmaceutical chemicals. Subsequently, they are counted as one of the reliable Pharmaceutical Drug Chemicals Manufacturers in India.

<table>
<thead>
<tr>
<th>Name of CEO</th>
<th>Mr. Bhanubhai kothia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year of Establishment</td>
<td>2004</td>
</tr>
<tr>
<td>Primary Business Type</td>
<td>Manufacturer, Exporter &amp; Supplier</td>
</tr>
<tr>
<td>Market Covered</td>
<td>Germany</td>
</tr>
</tbody>
</table>
• PRODUCTS

Daksh Chemicals and its range of products have earned a huge reputation in the national as well as international market. Their range of products includes Bis(2-chloro ethyl) amine HCL, Dimethyl amino ethyl chloride HCL, Diethyl amino ethyl chloride HCL, 2-chloro ethyl amine HCL, Dimethyl amino Propyl chloride HCL and M-Chlorobenzoyl Chloride. In addition to this, they also offer Sodium Salphite Solution in the market. Their products are remarkable for their purity and contamination free solution.

Their industrial chemicals are high on demand in various industries as they are used in several industrial applications. They are utilized as intermediary in the synthesis of pharmaceutical products. They test our products on different scientific parameters before they are supplied in the market. In addition to this, they are acknowledged as one of the distinguished M-Chlorobenzoyl Chloride Manufacturers in India.

- Dimethylamino Ethyl Chloride Hydrochloride
- Diethylamino Ethul Chloride Hydrochloride
- Dimethylaminopropyl Chloride Hydrochloride
- BIS (2-Chloroethy) Amine Hydrochloride
- 2-Chloroethylamine Hydrochloride
- M-Chlorobenzoyly Chloride
Best Value Chem Private Limited is one of the leading manufacturers of fragrance and flavour ingredients in INDIA. Its commitment to customer satisfaction, by delivering quality products and services has helped it to become one of the leading manufacturers in INDIA. Responding creatively and competitively with their products in anticipation with their customers’ aspirations is their unique aspect.

BVCPL is a privately held company with a turnover of US $15 million (Rs.68 crores). Incorporated in the state of Maharashtra, Mumbai in 1996, Best Value Chem (P) Limited is engaged in manufacturing of Aroma Chemicals. Increased volumes and widened product range called for bigger and Sophisticated production facility & therefore in 2000, a new plant was commissioned at Karakhadi – 50 Kms from Vadodara, Gujarat. BVCPL’s increasing business leaded to another operational plant at Moxi – 30 Kms from Vadodara, a higher capacity plant to take care of the international clients. Today export Market covers around 80% of total BVCPL’s sales.

Vadodara, as a location offers immense potential for necessary resources like easy availability of feed material and qualified human resources. Furthermore, its access to the central effluent discharge facilities offered by local industries was an additional factor for selecting the location.

51 http://www.bestvaluechem.com/
Perfumery Chemicals
DCPD Acetate (Verdyl Acetate)
DCPD Propionate (Verdyl Isobutyrate)
Dihydro Verbyl Acetate
Amyl Salicylate (Oxo)
Hexyl Salicylate
Hydroxy Citronellol
Melonal
Undecavertol
Iso Amyl Salicylate
Pentyl Salicylate
Intermediates
Butyl Chloride
Hexyl Chloride
Pentyl Chloride
Hexyl Bromide
2- Methyl Pentanal
2-Methyl Pentenal
2-Methyl Pentanol

**RESEARCH & DEVELOPMENT**

Their R&D is focused on process research to achieve creative and competitive chemistry. They strive to develop time-tested molecules using cost effective feed materials, with ideal Catalyst and effective processes, to deliver olfactive and organoleptic value to their customers.

**HUMAN RESOURCE**

It is well known fact that the success of an organization depends upon the human resource strength. In Best Value Chem (P) Ltd. they work with qualified
professionals staff that will enhance the force of BVC. To achieve organization goal human resource is responsible for effective execution of work.

In BVCPL, they believe in synchronization of young and experienced professional. Their motto is to provide maximum satisfaction level of employees working with them. Each and every individual of BVC contributes at a lot in the success story from time to time.

- **WORLD WIDE CUSTOMERS**
  BVCPL has a global presence and business relations with leading F&F companies over the globe. Customer satisfaction in relation to Standard Quality & Cost Competitiveness has helped the company to achieve at high levels in Local as well as International Markets. With constant innovation and creativity the company has been successful in adding more number of varied aroma chemicals in its product list.

  | INDIA | GENEVA | GERMANY |
  | USA   | CHINA  | COLOMBIA |
  | SINGAPORE | MEXICO | ARGENTINA |
  | UK    | INDONESIA | BRAZIL |
Atul Ltd is a member of Lalbhai Group, one of the oldest business houses of India, with interests mainly in textiles and chemicals. The Group is strongly committed to serve the society in the fields of education, health as well as culture.

Incorporated in 1947, Atul Ltd (formerly Atul Products Ltd) was founded by Kasturbhai Lalbhai with a dream to make India self reliant in chemicals, generate employment on a large-scale and create wealth for the society. For translating his dream into reality, Kasturbhai Lalbhai brought his confidant, Ballubhai Muzumdar, an economist- and his son, Siddharth Kasturbhai Lalbhai, a chemical engineer, to lead Atul Ltd and establish a large chemical conglomerate.

Atul Ltd became the first private sector company of India to be inaugurated by Jawaharlal Nehru, the first Prime Minister of the country. The Company thus commenced its business with just a few dyestuffs, the know-how of which was brought from foreign companies. Over the years, Atul Ltd joined hands with American Cyanamid Corp (1952), Imperial Chemical Industries plc (1955) and Ciba-Geigy Ltd (1960) to form respectively 3 joint venture companies, namely,

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52 http://www.atul.co.in/
Cyanamid India Ltd, Atic Industries Ltd and Cibatul Ltd respectively. Consequent to worldwide divestment of dyes and polymers business by ZENECA plc (formerly a part of ICI plc) and Ciba Ltd respectively, Atic Industries Ltd and Cibatul Ltd were merged into Atul Ltd in 1995 and 1998 respectively.

Atul Ltd operates through six business divisions, namely, Agrochemicals, Aromatics, BulkChemicals, Colors, Pharmaceuticals & Intermediates and Polymers. Each business, in step with the company vision, develops and implements its growth plans.

Atul's registered office is in Ahmedabad whereas its corporate headquarters are located in Atul, Gujarat. The Company is listed on the NSE in India and has over 35,000 shareholders. Atul also has offices in the USA, the UK, Germany, China and Vietnam that service its international customers.

- PRODUCTS

(A) AGROCHEMICALS

Herbicides

- Phenoxy Group
- Sulfonyle Ureas
- Urea Herbicides

Fungicides

- Triazoles
- Organo sulphur

Insecticides

- Neonicotinoids
- Pyrethroids
- Carbamates
- Nereistoxins
(B) **AROMATICs**
- Cresols and Cresol derivatives
- Oleums
- Sulphuric Acid
- Others

(C) **Bulk Chemicals & Intermediates**
- Caustic soda
- Chlorine
- Chlorosulphonic acid
- Sulphuric acid
- Oleums
- Sodium Sulfide
- Potassium sulphate
- Sodium sulphite
- Gypsum
- p-Hydroxy benzoic acid
- Resorcinol

(D) **Dyestuffs**
- Vat dyes
- Solubilised vat dyes
- Acid dyes
- Fluorescent brightening agents
- High exhaust brand reactive dyes
- Cold brand reactive dyes
- Reactive dyes for printing
- Direct dyes
- Sulphur dyes
(E) **PHARMACEUTICALS & INTERMEDIATES**

**Phosgene Derivative Intermediates**
- Chloroformates
- Isocyanates
- NCA
- Carbonate & Dicarbonate
- Chloride
- Others

(F) **UREAS**
- N,N'-Carbonyl Diimidazole
- Tetra Butyl Ureas

**Bulk Actives**
- Acyclovir USP
- Dapsone
- Roxithromycin EP
- Bethanechol chloride USP(*)
- Bulk Chemicals
- On Campaign Basis

**Polymers**
- Product1
- Product2

**Floras**
- Product1
- Product2
Hexone Interchem Pvt. Ltd. came into being in the year 1996. Mr. Janak Patel (M.Sc. Organic Chemistry) is a Chairman of the company. Mr. Nilesh Patel (B.Sc. Chemistry) is the Managing Director of the company. Promoters of the company are competent Technocrats having vast industry specific experience.

The company operates on economies of scale and is one of the largest in India in this line of business. The company's main strength is Ethoxylation, Acetylation, Cyanoethylation, Ethelation, and Distillation.

The manufacturing facility is well equipped to handle bulk-hazardous raw materials like Ethylene Oxide, Acrylonitrile, Acetic Anhydride and Diethyl Sulphate.

Hexone Interchem Pvt. Ltd. is committed to meet the satisfaction of the customers by offering products meeting customer's requirements

- **DISPERSE DYE INTERMEDIATES:**
  
  N,N-Di-[2-Hydroxyethyl]-M-Chloro Aniline,
  N,N-Di-[2-Acetyloxyethyl]-M-Chloro Aniline,
  N,N-Di-[2-Hydroxyethyl]-M-Toluidine,
  N,N-Di-[2-Acetyloxyethyl]-M-Toluidine,

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53 http://www.atul.co.in/
N,N-Di-[2-Hydroxyethyl]-M-Amino Acetanilide,
N,N-Di-[2-Acetyloxyethyl]-M-Amino Acetanilide,
N,N-Di-[2-Hydroxyethyl]-Aniline,
N,N-Di-[2-Acetyloxyethyl]-Aniline,
3,N-Di-[2-Acetyloxyethyl]-Amino-4-Methoxy-Acetanilide,
3,N,N-Di-[2-Hydroxyethyl]-Amino-4-Methoxy-Acetanilide,
N-Cyanoethyl-N-Acetyloxyethyl Aniline,
N-Cyanoethyl-N-Hydroxyxyethyl Aniline,
N-2-Cyanoethyl Aniline,
N[2-Cyanoethyl]-N-Ethyl-Aniline,
N,N-Di-[2-Ethyl]-M-Amino Acetanilide,
3-[N-2-Cyanoethyl-N-2-Hydroxyethyl] Amino Acetanilide
N-[2 Acetyloxyethyl]-N-[2-Cyanoethyl]-M-Amino Acetanilide,
N-Ethyl,N-[2-Hydroxyethyl] Aniline,
3-Amino-4-Methoxy Acetanilide,
3-Cyanoethyl Amino-4methoxy Acetanilide,
Acetamide,N-[3-(Cyanoethylamino)Ethylamino]-4-Methoxy Phenyl,
N-Ethyl-N-2-Hydroxyethyl-M-Toluidine,
N-N-Di-[2-Cyanoethyl] Aniline,
N-N-Di-[2-Cyanoethyl]-M-Toluidine,
N,N-Di Hydroxy Ethyl Para Toluidine,
Meta Nitro Aniline (M.N.A.),
Meta Amino Acetanilide (M.A.A.),
Anthranilic Acid,
4-Hydroxy-N-Methyl Quinoline (4-HMQ),

• ABOUT HEXONE INTERCHEM PVT. LTD.
Hexone Interchem Pvt. Ltd. came into being in the year 1996. Mr. Janak Patel (M.Sc. Organic Chemistry) is a Chairman of the company. Mr. Nilesh Patel (B.Sc. Chemistry) is the Managing Director of the company. Promoters of the company are competent Technocrats having vast industry specific experience.
The company operates on economies of scale and is one of the largest in India in this line of business. The company's main strength is Ethoxylation, Acetylation, Cyanoethylation, Ethelation, and Distillation.

The manufacturing facility is well equipped to handle bulk-hazardous raw materials like Ethylene Oxide, Acrylonitrile, Acetic Anhydride and Diethyl Sulphate.

The company has proper Effluent Treatment Plant to ensure that COD and BOD levels of discharge are maintained as per standards set by Gujarat Pollution Control Board quality.

- **DISPERSE DYE INTERMEDIATES**

<table>
<thead>
<tr>
<th>CODE NAME</th>
<th>PRODUCT NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEXA-1</td>
<td>N,N-DL-[2-HYDROXYETHYL]-m-CHLORO ANILINE</td>
</tr>
<tr>
<td>HEXA-1A</td>
<td>N,N-DL-[2-ACETYLOXYETHYL]-m-CHLORO ANILINE</td>
</tr>
<tr>
<td>HEXA-2</td>
<td>N,N-DL-[2-HYDROXYETHYL]-m-TOLUIDINE</td>
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<tr>
<td>HEXA-2A</td>
<td>N,N-DL-[2-ACETYLOXYETHYL]-m-TOLUIDINE</td>
</tr>
<tr>
<td>HEXA-3</td>
<td>N,N-DL-[2-HYDROXYETHYL]-m-AMINO ACETANILIDE</td>
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<td>HEXA-3A</td>
<td>N,N-DL-[2-ACETYLOXYETHYL]-m-AMINO ACETANILIDE</td>
</tr>
<tr>
<td>HEXA-4</td>
<td>N,N-DL-[2-HYDROXYETHYL]-ANILINE</td>
</tr>
<tr>
<td>HEXA-4A</td>
<td>N,N-DL-[2-ACETYLOXYETHYL]-ANILINE</td>
</tr>
<tr>
<td>HEXA-5</td>
<td>3,N-DL-[2-ACETYLOXYETHYL]-AMINO-4METHOXY-ACETANILIDE</td>
</tr>
<tr>
<td>HEXA-5A</td>
<td>3,N,N-DL-[2-HYDROXYETHYL]-AMINO-4METHOXY-ACETANILIDE</td>
</tr>
<tr>
<td>HEXA-7</td>
<td>N-CYANOETHYL-N-ACETYLOXYETHYL ANILINE</td>
</tr>
</tbody>
</table>
HEXA-7A  N-CYANOETHYL-N-HYDROXYXYETHYL ANILINE
HEXA-8   N[2-CYANOETHYL]-N-ETHYL-ANILINE
HEXA-12  N,N-DI-[2-ETHYL]-m-AMINO ACETANILIDE
HEXA-13  3-[N-2-CYANOETHYL-N-2-HYDROXYETHYL]AMINO ACETANILIDE
HEXA-14  N-[2 ACETYLOXYETHYL]-N-[2-CYANOETHYL]-m-AMINO ACETANILIDE

• RAW MATERIALS
  ➢ Acetic Anhydride
  ➢ Aniline
  ➢ Diethyl Sulphate
  ➢ Meta Chloro Aniline
  ➢ Meta Chloro Aniline
  ➢ Meta Amino Acetanilide
  ➢ Meta Amino Acetanilide
  ➢ 3-Amino-4-Methoxy
  ➢ Acetanilide
  ➢ Phthalic Anhydride
  ➢ Meta Phenylene Diamine (MPDA)
  ➢ Fast Bordeauxe GP
  ➢ Meta Toluidine
  ➢ Sodium Sulphide Flakes
  ➢ Dimethyl Sulphate
In 1967, the journey of Jay Chemical Industries limited began towards becoming one of the leading reactive dye manufacturers, worldwide. From a small dye & dye intermediate manufacturing unit, the company has today evolved into a diversified conglomerate with successful forays into construction chemicals, textile auxiliaries and garment manufacturing.

In 4 decades, the company has grown into India’s leading producer of reactive dyes, accounting for 15% of the Indian market share. JCIL, in comparison to its worldwide contemporaries, stands tall with a production of 18000 mt. which is estimated to be 5% of the total world’s production. This places JCIL amongst the Top-10 reactive dye producers in the world.

These achievements are a result of the dynamic leadership of Founder Chairman, Mr. Jayendra Kharawala & Managing Director, Mr. Greeven Kharawala, supported by clean ethical practices and constant innovation achieved through observation and a keen customer centric approach towards business. Today, JCIL has a strong presence in 40 countries and is growing continuously, aiming at nothing short of excellence.

Looking forward, JCIL envisions being a Market Leader in the field of reactive dyes by increasing production capacity by 30% in the next one year.

54http://www.jaychemical.com
• **Vision**

“Their proactive customer service, excellence in quality and unparalleled economical products will make them the best and the biggest reactive dyestuff producer in the world. They are totally committed to upgrading social, economical and environmental conditions of mankind”.

• **Products**

The product range covers dyes, dye intermediates, textile auxiliaries and garments.

- Jakofix and Jakazol range of Reactive Dyes suitable for exhaust dyeing, semi continuous dyeing, continuous dyeing and printing processes catering for various market requirements.
- Dye Intermediates, a result of JCIL’s backward integration which especially creates self sufficiency through products such as H-Acid, vinyl sulphone & copper phthalocyanine blue crude.
- Jakacidol acid dyes.

• **Research and Development**

The R&D unit of JCIL has been an essential part of the company’s success to date. Currently JCIL is investing heavily in R&D, as this will provide the new products and processes which will allow the company to expand its high quality and cost effective dye ranges. The long term aim of research within JCIL is to provide opportunities for organic growth and diversification.

The R&D section of JCIL is an internal technology centre of excellence to service the business and meet customer needs. Its responsibilities include;

- Optimisation of process chemistry to achieve the highest chemical efficiency and product purity whilst minimising effluent production.
- Monitoring technology trends in order to understand market opportunities and unmet needs.
Mehul Dye-Chem Industries was established in the year 1988. Since then our company has been successfully winning the hearts of thousands of worldwide clients by providing them superior quality dyes & pigments like basic dyes, solvent dyes, acid dyes, fast dyes etc. They have carved a niche as one of the prominent Fast Dyes manufacturers in India. Mr. Nikunj Hirani is the CEO of our company, who possesses profound experience in this field. They also offer wholesale acid dyes at various profitable deals, which are highly admired by all our honored clients.

- **Quality Orientation**
  They understand the requirements of their quality conscious clients and accordingly manufacture their best range of products. They never compromise with the quality of their products and always strive to deliver superior quality products to their clients.

- **Standardized Products**
  They have adequate knowledge of the contemporary market demands, which helps them in manufacturing products that conforms to various Indian and international quality standards. They also design their products as per the requirement of their honored clients.

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**http://www.jaychemical.com**
• **Clientele**
  They have earned reputation all over the world due to the manufacturing of products that match the expectations of their clients. They have a worldwide client base and believe in total customer satisfaction.

• **Products**
  Mehul Dye Chem Industries and its range of products have garnered huge reputation in the national as well as international market. They offer a wide array of dye chemicals, which includes:

  - Acid Dyes
  - Basic Dyes
  - Glycolic Acid
  - Fast Dyes
  - Masterbatch
  - Pigments
  - Reactive Dyes
  - Solvent Dyes
Anar Chemicals Pvt. Ltd is a dynamic INDIAN Manufacturer of Dyes and Specialty Intermediates established since 1980. They are pleased to present themselves as Manufacturers of Solvent Liquid Dyes available in different colors and combinations. Their Solvent Liquid dyes for the petroleum industry are exported mainly to Europe, USA, Latin America and the Far East. They also manufacture Metal Phthalocyanines - Iron Phthalocyanine (FePc), Zinc Phthalocyanine (ZnPc), Aluminum Phthalocyanine (AlPc) and Nickel Phthalocyanine (NiPc) and Copper Phthalocyanine derivatives.

- **Our Complete Product Range:**
  - Liquid Solvent Dyes
  - Naphthols
  - Phthalocyanine Derivatives
  - Solvent Mixture Dyes
  - Metal Phthalocyanines
  - Special Products

Other Focus Area: Contract Research & Contract Manufacturing

- **Industries They Serve:**
  - Petroleum Industry
  - Rubber Industry
  - Pigment Industry
  - Ink Industry
  - Plastic Industry

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• **Application of Their Various Products:**


Main Markets: Europe, USA, Latin America, Far East, Asia etc.

**Disclaimer:** Anar Chemicals Pvt. Ltd. does not have any agents or sub agents anywhere in India or abroad who are authorized to deal on our behalf. Kindly get in touch with their offices if you have any query regarding the same.

• **Products**

  - Liquid Solvent Dyes
  - Solvent Mixture Dyes
  - Naphthols
  - Metal Phthalocyanines
  - Phthalocyanine Derivatives
  - Special Products

• **Corporate Citizenship**

Concern for health, safety and environment is an integral part of Anar's business policy.

In addition to compliance with regulatory requirements, they pursue the following objectives in close cooperation with their distributors, customers and suppliers.

• **Health**

Anar seeks to conduct its activities in such a way as to prevent harm to and promote the health of its employees.

As a Company policy, Anar does not produce any products, which are hazardous to the health of its people.
• **Safety**

Anar strives to prevent any injuries at work to its employees. The Company's safety committee meets regularly to provide updates on safety issues, conduct rehearsals of safety procedures and onsite emergency action plan and training programs on safety related issues. Regular medical checkup of production personnel is carried out by reputed outside doctors.

Environment

Anar protects the environment by preventing or minimizing the environmental impact of its activities and products through appropriate design, manufacturing, distribution, use, and disposal practices.

Anar has modern pollution treatment facilities and operates within the parameters laid down by the local authorities. In line with its policy of continual improvement, Environment Management Programs (EMPs) are in place, which are monitored to bring about reduction in waste, in pollution and in energy costs with consequent benefits to the environment and to Anar.
24 PROPHYLAXIS

They are a manufacturer of:
Chlorine Dioxide as a Water Purification Product and Safe Water Treatment Chemical

Chlorine Dioxide is a compound that has been used to treat municipal drinking water in the United States and Europe for over 50 years. It is recognized as a superior water disinfectant alternative to chlorine and has become increasingly popular as a water purification treatment. Chlorine is being phased out due to growing concerns over its carcinogenic by-products, principally trihalomethanes (THMs). Similarly other halogens such as fluorine, bromine and iodine, some of which have been used in water treatment situations by consumers, are recognized as having unhealthy by-products. Iodine in particular, has been recognized as affecting the thyroid gland. Unlike chlorine, chlorine dioxide does not create THMs.

In the U.S, the Safe Water Drinking Act and its subsequent amendments over the last 20 years have required dramatic improvements in the quality of municipal drinking water. These stringent new requirements have increased the use of chlorine dioxide in the U.S. while decreasing the use of chlorine as a water treatment chemical. Using chlorine dioxide provides a double benefit to communities because it is a more effective water purifier than chlorine and is free of chlorine's unhealthy by-products.

57 www.clo2india.com
Municipal water systems use chlorine dioxide in its gaseous state which cannot be safely packaged or transported for consumer use. With RELYON, a recent breakthrough in technology, individuals now have access to chlorine dioxide in a stabilized form with full effectiveness. Many consumers will benefit from it, including those needing to purify water for outdoor or travel use and for disaster preparedness and emergency water use at home.

- **CLO₂ IS EFFECTIVE AGAINST THE FOLLOWING WATER CONTAMINANTS:**
  Organic Contaminants - ClO₂ completely eliminates and treats the following contaminants: Viruses, water bacteria, giardia, botulism cryptosporidium, e. coli and cholera.
  Carcinogenic Substances - Pollutants found in waste water, cyanides in wastewater, nitrites and sulfides, 3,4-benzopyrene, iron and manganese in water, tastes and odors produced by algae, the dyes produced by chlorophyll and plants, pesticides.

**Treatment Chemical Advantages**
Chlorine Dioxide does not produce THMs as chlorine does, and doesn't give rise to the formation of chloroform and bromochloromethane as chlorine does. Chlorine Dioxide does not react with ammonia, nitrogenous compounds or precursors to form chloroform as chlorine does.

- **PRODUCTS**
  Our product RELYON (Chlorine Dioxide) is stable, >99% pure and in liquid form which generates NO harmful By-products. Particularly MX (Mutagen X), THM (Tri Halo Methanes), HAA (Halo Acetic Acids), Alkali metal Sulfates, Chlorites, Chlorates, Chloramines, free Chlorine...etc. The end products are a fraction of Sodium Sulphate (Na₂SO₄) and Sodium Chloride (NaCl). These substances are most common in water. RELYON process for the
preparation of liquid Chlorine Dioxide comprises two component systems in watery solution, each component having shelf life of more than two years. Which does not employ any type of generator for production of ClO₂. The process can be performed at any place, has almost no explosion hazards. The Chlorine Dioxide obtained by using RELYON components having shelf life as per kinetic half time >30 days. RELYON Chlorine Dioxide deactivates microorganisms by attacking and penetrating their cell wall, disrupting the transport of nutrients across the cell wall and inhibiting protein synthesis. Since this action occurs regardless of the metabolic state of the organism, RELYON is highly effective against dormant organisms and spores (Giardia Cysts and Poliovirus).
Sindhu Ultramarine Chemicals Pvt. Ltd. is India based one of the leading manufacturer and exporter of wide range of cleaning, marking and toiletry products such as ultramarine blue (laundry grades), straight line chalk powder, dishwashing gel, glass cleaner, floor cleaner and toilet cleaners. The straight line chalk powder manufactured by them is widely used in construction industry for marking the straight lines.

Their well equipped state of the art manufacturing plant lying in 10000 sq.mt area with round the clock production capacity enables them to fulfil requirements of their valued customers with shortest delivery time. Also their constant R&D and quality control department ensures that the products meet set international quality standards hence their products are accepted in worldwide market due to its high quality and performance.

Their highly experienced top management team, having more than 3 decades of industry experience and professionally managed marketing organization along with after sales services are the key 3 pillars for their strong brand image.

- **PRODUCTS**
  - Ultramarine Blue
  - Straight Line Chalk Powder
  - Dish Washer
  - Glass Cleaner
  - Floor Cleaner
  - Toiler Cleaner
  - Cistern Block

http://www.sindhublue.com/
26. RAVIRAJ CHEMICALS ANKLESHAVER

Being a trusted chemical company in India

Raviraj Chemicals was incorporated in 2000 as chemical company in India with aims to market and manufacture range of acid and basic chemicals. Raviraj Chemicals carried out research and development; supply the chemical products internationally as well as in local markets in India.

Journey towards Sulphamic acid manufacturing

As their presence is since 1990 with our first production facility establish for manufacturing basic dyes based chemicals at GIDC industrial estate, Ankleshwar, Gujarat, India.

It turns Science into the solutions for dyes industry which satisfy the needs of their customers without failure and continuously. Their group adds new fields of producing Intermediates in 1999 by establishing facility for Dyes Intermediates production and other chemical products. In meantime, they started Sulphamic acid production and in small time they recognize themselves as leading Sulphamic acid supplier in India.

Secret behind quality chemical products

Their products, brands and services can be trusted for their reliability and quality. Each of their business enjoys a world class reputation into its chosen market. Their strategy to market-driven production based on core expertise in the chemical industry, and to be a leading Sulphamic acid manufacturer and

59http://www.ravirajchemicals.com/
Distributors by providing unparalleled products & services to their customers are the reasons behind their superior growth. Their strength lies in a strong and distinctive culture which was inspired by its founders and is still being nurtured by the current management. It is an ethos that combines the values of family business with the strengths of professional management, common spirit of enterprise with a high level of integrity.

With Sulphamic acid is their flag-ship product, they are also manufacturing Auramine O, Metanil Yellow and other dyes intermediates and pigments.

- **PRODUCTS**

**Sulphamic Acid**

Sulphamic acid, also known as amidosulfonic acid, amidosulfuric acid, aminosulfonic acid, and sulfamidic acid, is a molecular compound with the formula h3nso3. This colorless, water-soluble compound finds many applications. Sulfamic acid (h3nso3) may be considered an intermediate compound between sulfuric acid (h2so4), and sulfamide (h4n2so2), effectively - though see below - replacing and -oh group with an -nh2 group at each step. This pattern can extend no further in either direction without breaking down the -so2 group.

**Auramine O**

Auramine O, also called Basic yellow 2, Pyocatnamium aureum, aizen auramine, Pyoktanin Yellow, Canary Yellow, Pyoktanin, or C.I. 41000, is a diarylmethane dye used as a fluorescent stain. In its pure form, Auramine O appears as yellow needle crystals. It is very soluble in water and soluble in ethanol.
Metanil Yellow

Metanil Yellow which is also called Acid yellow 36 is used in printing on paper, dyeing on fibres, silk, Wool, nylon, silk, paper, ink, aluminum, detergent, wood, fur, cosmetics, biological stain etc.

- **About Them:**
  Established in 2000 Raviraj Chemicals have grown steadily into a professionalized group with interests in manufacture & supply chemicals to cater Various Industries.

- **Their Vision:**
  “They visualize themselves as emerging leading player by providing full spectrum service & to be a Trusted Partner of their Valuable Clients”

- **Their Mission:**
  “Raviraj Chemicals Aims to become leading Manufacturer & Supplier of Quality Dyes, Chemicals & Intermediates in the International Arena by fulfilling customers Aspiration of Quality Consistency, Cost Competitiveness, Timely Delivery with meeting Standard Norms for Environmental Safety & Fair Commercial Practices.”

- **Their Production Facilities:**
  Their Group Consist of various manufacturing facilities locates at GIDC Industrial Estate, Ankleshwar, Gujarat, India a Major Chemical Industrial Hub of Asia.
“Finar Chemicals Limited strives to be placed amongst the most respectable brands in Laboratory Reagents Industry. They intend to make an earnest effort towards fulfilling our responsibility towards our customers, their environment & the society at large.”

- **History**

Initiated by the unrelenting drive of a spearheading group of individuals, the idea of venturing into the chemicals industry was conceived in the year 1998, with which FINAR was born. Through its eight years of operations, FINAR has gained tremendous patronage and accomplished many of its fundamental objectives, in terms of products, services and customer satisfaction.

Based at Ahmedabad (Gujarat, India), FINAR is functionally fuelled by a state-of-the-art manufacturing unit. The company also has a stock point at Hyderabad (Andhra Pradesh, India).

Though our history is very significant in the realization of our dream, it is the future that they have their eyes resolutely fixed on. They firmly believe that there are no short-cuts to the art of perfection. Today, FINAR has evolved into a cohesive organization that redefines and amalgamates the models of quality availability and service.

This is not a mere belief, but a strict approach that they follow in all their operations, towards their own pervasive quest for perfection.

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60 http://www.finarchemicals.com/index.html
• **Core Competency**

At Finar, conformance to their Quality Policy as well as Environment Policy in each and every aspect is what they aim, at all times. They have developed certain core competencies enhancing their levels and delighting their customers.

Instantaneous shipping: Deploying a world-class inventory management system, they ensure instant availability of almost all products in the requested grade and pack size at any given time. Safety stocks & re-order levels are constantly monitored for optimized inventory levels. Orders received, are instantly processed and shipped on the next working day. In exceptional cases of delays, their customers are constantly updated on their order status.

Flexibility: Their systems have been developed keeping in mind the most “out of the ordinary” customer requests. Be it a specific sizing or delivery requirements, quality concerns, documentation or conformance certifications, they manage it all for our customers, assisting them in complying with their own stringent QA requirements.

• **Products**

FINAR has developed over 1000 products in its portfolio comprising of various analytical reagents, research & specialty chemicals, indicators & stains, pharmacopoeial grade chemicals, phase transfer catalysts, HPLC grade solvents, Gradient grade solvents, ion-pairing reagents and more. These products have been created to uncompromisingly withstand every stringent Quality Control procedure, and to surpass customer expectations. Sure enough, it is this consummate sense of commitment towards quality that has kept FINAR’s patrons more than satisfied with its products and services through the years.
While it is a constant effort to expand and enhance product availability, the delivery time is something that is perpetually strived to be narrowed down to a minimal. FINAR’s core competency lies in its ability to arrange and execute instant shipping of products, regardless of the destination. Coupled with instant availability, these attributes define what lies at the nucleus of the sphere of their business.

They have left no stone unturned in meeting every demand of our customers, paying special heed to their needs and preferences. In response to their continued requests towards introducing new products, their marketing prepares a comprehensive analysis of each product requested, and strives to add these products to their upcoming sales programs. Please browse through their extensive database of chemicals or learn about related services offered by them through this section.

- **People at FINAR**

  Just as FINAR is passionate about Growth, they realize this passion to be an inherent characteristic prevalent in their employees as well. Their team comprises of such highly motivated individuals who have profound experience as well expertise.

  Within just a span of eight years, FINAR has become one of the fastest growing companies in this industry and needless to emphasize, this has been possible by all those people who have contributed great dedication, hard work, knowledge & sincerity. FINAR realizes these attributes in its team members, and rewards them suitably, from time to time. Growth of the company and growth of its employees go hand in hand.

- **Network & Logistics**

  Finar’s extensive distribution network is widely spread across the entire Indian subcontinent, with authorized stockists & distributors appointed at all strategically important destinations. Their supply chain & logistics
management team is the backbone of their “instantaneous shipping” concept. Consistency in terms of information on availability, pricing confirmations and order processing is an integral part of their modus operandi.

Their market penetration is to the deepest levels thereby facilitating their end users to receive products on their shelves with minimum lead-time.
28. A.ONE CHEMICAL SURAT

Gujarat Chemical’s mission is to provide total customer satisfaction by servicing the manufacturing industry with honorably and providing products and services of superior quality at fair prices. Gujarat Chemicals consistently put customer interest first and continually improve its products, offering for best value in Ethylene Oxide Derivates & Esterification.

The company headquarters at Surat and its manufacturing facility is located at Ranasan Industrial Estate in North Gujarat, India with state-of-the-art infrastructure to meet all the requirements of domestic and international demand with technological innovation, exceptional customer service, quality products, integrated facilities, strict adherence to quality standards and efficient communication.

The company has established full-fledged R&D department handled by qualified and experienced dedicated team to offer premium quality product. Developing and delivering customers specific products and requirement.

Their comprehensive experience, extensive production and an uncompromising commitment to quality are the characters that set Gujarat Chemicals name apart.

Gujarat Chemicals make commitment to continuous investment in latest technology and total dedication to the highest standards of quality, innovation and customer satisfaction.

- **Products & Services**
  - Oil Soluble Demulsifier
  - Polyethoxylated Alcohols
  - Polyethoxylated Castor Oil
- Silicon Oil Emulsifier
- Polyoxyethylene Fatty Acid
- Polyoxyethylene Fatty Amine
- Paraffin Wax Emulsifier (Pwe)
- Polyoxyethylene Alkyl Phenol
Khyati Chemicals Private Limited [KCPL] promoted by professionals for manufacturing of Optical Brighteners and Dyes for more than two decades.

KCPL has played a pioneering role in developing a comprehensive range of products encompassing the entire Optical Brightener needs of the Paper, Detergent and Industries and Direct, Basic and Acid Dyes for Paper industries. Having made a humble beginning they have made several strides since then and are happy to have been serving their global customers to their enhanced satisfaction for over a decade.

KCPL has recently completed the process of expanding its capacity to 12000 TPA for Optical Brightener. KCPL has-500 TPA capacity to produce various Dyes.

- **Vision:**
  Contributing to the wellbeing of the society by providing quality products and services globally.

- **Mission:**
  They are a global multi-dimensional company enjoying a leadership position in their operations and will continue to live up to the demanding expectations of

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61 http://www.khyatichemicals.com/
customers by - providing innovative solutions; adopting environment friendly state-of-art technology; fulfilling hopes and aspirations of employees and shareholders; and discharging social obligations to the fullest.

- **Products**
  
  **Dyes**
  - Direct Dyes
  - Basic Dyes
  - Acid Dyes

  **Whitening Agent**
  - Product Range
  - Paper Application - Product Range
  - Detergent Application - Product Range

- **Quality Control**

  KCPL has a state of art laboratory housing HPLC, Spectrophotometer, Testing equipments for Whiteness/Brightness and other common laboratory equipments. Laboratory headed by PhD holder associated by qualified staff.

  KCPL plant is also having ETP to meet the effluent norms of GPCB. Special attention is given to the Health of workers and this has qualified KCPL for OHSAS certification.

- **Activities**

  Activities their project for up gradation of manufacturing technology and increasing their production capacity has recently been completed with a significant capital investment. This has further enhanced their ability to meet the requirements of their customers to their optimum satisfaction with a particular emphasis on stringent product quality matching inter-national
standards. Their plant has been designed to give them the flexibility to rapidly expand the production capacity further.

Their intensified marketing efforts have been very successful and their products are now marketed to Multinational Detergent producers, Paper mills and industries globally. KCPL expects to widen its product range by inputs from market surveys and customer’s requirement. This will be addressed by in-house R&D.

Their clientele boasts of leading multinational and national giants of supreme repute. It is their constant endeavor to offer those valued customers qualitative products at the most competitive prices, and to be constantly available through their Agents and Associates worldwide. They thank their valued customers for their trust and support over the decade, which has helped them to grow with them. Together they are confident of reaching the top echelons of the world.

- **Manufacturing Facility**
  - Installed capacity 12,000 MTPA
  - Separate plants for Di, Tetra and Hexa Sulphonate to avoid chemical contamination.
  - Separate drier units for Detergent & Paper and Products.
  - Two Drier units.
  - Sixteen Reaction Vessels
  - Two Boilers
  - Seven Filter Presses
  - ETP
Simalin Chemicals Industries Limited, Vadodara, India was set-up under the technical collaboration from Chematur & Sweden.

They have a wide spread- marketing network in the main chemical zones of India; with headquarter in Vadodara & offices in A'bad, Mumbai & Delhi.

- **Management**
  Founder Shri Visubhai B. Patel, the Chairman of the Simalin Group incorporated the company in 1973 with a view to manufacture high quality chemicals products in Vadodara, India. Operations started on October 10, 1974.

  The new dynamission of the young business team lead by Mr Ashok V Patel, Mg. Director has taken the company to a leadership positions in its key product line in India. His sound business background and over three and half decade of rich experience in Private.

- **Current Management**
  Shri Visubhai B. Patel, Chairman-MBA and MSPA from University of Southern California, Los Angeles, USA. He has over 40 years experience in manufacturing & general business and management of various products including Organic chemical products.

Shri Ashok V.Patel, Managing Director-BS, MS in Chemical Engineering from University of Southern California, USA and MBA from Claremont Graduate School, California, USA. He has wide experience of over 25 years in the field of process development & chemical manufacturing.

Shri Sunil V.Patel, Director-B.S.B.A & M.B.A from Georgetown University, Washington DC, USA. He has experience of about 14 years in the Chemical Industry.

- **Company Information**
  Simalin Chemicals Industries Limited, Vadodara, India was set-up under the technical collaboration from Chematur, Sweden, the world leaders in Formaldehyde Technologies.

  Installed capacity of Formaldehyde was 7,500 MT per annum in 1974; today the capacity is 40,000 MT per annum after having substantial expansion activities.

  The installed capacity of Hexamine is 4,200 MT per annum and Para Formaldehyde is 1,200 MT per annum respectively. Distributor of GNFC’s Methanol - 4,000 MT per annum.

- **Core Competencies**
  Simalin Chemical Industries Limited, Vadodara, India has core competencies in the following areas:

  - Indian Fragrance and Aroma Chemical Division - Basic R&D and synthesis of Flower, Fragrance and Aroma Chemicals.
  - Bulk Organic Chemical Division - Manufacture of Bulk and Speciality Chemicals.
  - Marketing and Distribution in India and international.
  - Export of their Flower, Fragrance and Aroma products to renowned international companies.
- Joint Ventures & Technology tie-ups for India & Export of technical know-how from their R&D and Flower, Fragrance and Aroma Chemicals Division are available.

- **History**

  Plant set-up at Vadodara, India under the technical guidance from Chematur, Sweden- the world leaders in Formaldehyde technologies. Installed capacity of Formaldehyde is 7,500 MT per annum in 1974; today the capacity is 60,000 MT per annum after having substantial expansion.

  He examines capacity 4,000 MT per annum and Para formaldehyde is 1,200 MT per annum. Startup of R & D and Flower, Fragrance and Aroma Division in 2003. Distributor of GNFC's Methanol - 4,000 MT per annum. Their QA Laboratory is equipped with GC, Karl-Fisher, TLC Analysis equipment, conductivity, Electronic balances etc

  Well-qualified experienced chemists support their QA Laboratory.