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# Non-Formaldehyde Dye Fixing Agent Production for Reactive Dye.

## Business Opportunities in Textile Auxiliaries for Startup



Formaldehyde-Free Fixative



# Introduction

**A dye Fixing Agent includes good capability with cross linking agents without promoting dye bleeding. It is generally used after completing the dyeing or in printing paste. At present, color fixing agent can be divided into cationic fixing agent, resin type fixing agent (containing formaldehyde resin type fixing agent containing polyamine resin type fixing agent) and cross linking reaction type fixing agent.**

**The dye-fixing agent is applied to the dyed or printed substrate by an exhaust process or by alternative methods, such as padding, spraying, dipping, etc.,**



**Application of the dye-fixing agent to the substrate to be finished, may take place either, after the dyed substrate has been removed from the dye bath and has been rinsed, or after the dyed and rinsed substrate has undergone an intermediate drying step.**

**Dye Fixing Agent find wide application as fixing agents for direct as well as reactive dyestuffs on cellulose fiber. Further, these are also used for bringing necessary improvements in rubbing fastness of direct colors to light and washing.**



**Dye fixing agents are of considerable interest in the art of textile coloring, and numerous dye fixing agents have been used and/or proposed in the past. One class of well known dye fixing agents employs formaldehyde as a starting material.**

## **List of Dye Fixing Agent Manufacturers in India:**

- **L. N. Chemical Industries**
- **Rung International, Mumbai**
- **ArihantDyechem**
- **Pacific Texchem Private Limited**
- **Americos Industries Inc.**
- **Abh Biochem Private Limited**

- **Snow Chemical Industries Pvt. Ltd.**
- **Vexent Dyeaux India Pvt. Ltd.**
- **Siddhivinayak Dyechem Pvt. Ltd.**
- **Sigma Chemical Industries**

## Market Outlook

**Global Dye Fixing Agents market size will increase to Million US\$ by 2025, from Million US\$ in 2017, at a CAGR of during the forecast period.**



## **Textile Chemicals Market**

**Textile chemicals are significantly used in home furnishings in the building & construction industry. Rise in expenditure on home furnishings is anticipated to propel the textile chemicals market during the forecast period. Demand for home furnishings is rising in Asia Pacific owing to a rapidly increasing middle class and a booming housing market. Moreover, fashion sensitivity toward household furnishing has improved in countries in the region.**

**Global textile chemical market is expected to reach \$27,560 million by 2022 from \$21,770 million in 2015, and, growing at a CAGR of 3.4% from 2016 to 2022. The report encompasses textile chemicals market analysis in terms of product type and applications.**

**The significant impacting factors in the textile chemicals industry include development of apparel industries due to increase in demand for consumers and growth in population. Along with these factors, the market is influenced by the increase in demand for home furnishing products, evolution of environmental friendly chemicals required by textiles industries, and development of packaging industries, which require large textile chemicals.**

### **Global Textile Chemical Market Share, By Region (2017)**

**The textile chemicals market growth is decreasing considerably. The market, which is in its mature stage; however, its contribution to the global market would increase significantly within the next few years. Adverse effects of chemicals on environment and stringent regulations imposed on the chemicals are the major limitations for utilizing textile chemicals.**



**However, recent innovations, which embed introduction of innovative ideas of anti-microbial, luxurious, and stain-resistant fabrics, thus allowing chemicals to reach a wider segment of audiences. Numerous players are stepping in the textile chemicals market with innovative products. Emerging technology such as establishment of sterilized textiles is expected to increase the competition in the years to come. In future, the textile chemicals industry in the world will turn concentrated. The world textile chemicals consuming market will still has a certain amount of growth. Global competition is likely to turn to the relationship of competition and cooperation. With the development of economy, textile chemicals have huge market potential in the future. Owing to the increasing of demand in textile chemicals products, the world textile chemicals capacity will continue to expand.**

**Asia Pacific is leading market for textile chemicals industry by revenue which accounted over half of the gross revenue in the world over the past couple of years. Increasing government initiatives in countries like India to retain healthy growth in textile industry is one of the driving factors of this market. The fast growing markets like China, Vietnam, Bangladesh and Malaysia in textile industry are triggering the demand for textile chemicals market.**

## **Textile Chemicals Market in India**

**Textile chemicals market in India is projected to cross US\$ 2.5 billion by 2021. Rising global as well as domestic demand for high quality textile products, growing textile production, favorable government policies and increasing garments sourcing from India by international brands are boosting demand for textile chemicals in the country.**

**Textile chemicals are used during the processing of textiles, and are broadly classified as auxiliaries and colorants.**

**By 2018, auxiliaries are expected to hold a major market share of the Indian textile chemicals market because of the growing domestic and international demand for quality textiles and technical textiles. The market for auxiliaries will also grow with the rising textile exports to markets such as the US and Western Europe which demand high quality products.**

**Textile chemicals application segments are classified into apparels, home furnishings/textiles and industrial textiles. Of these, the apparel segment is projected to account for the largest market share by 2018. This can be attributed to the increasing demand for fashionable and eco-compatible products.**

**Apart from this, rising disposable income and increasing living standards are expected to significantly augment demand for textile chemicals in India over the next five years. On the basis of product type, India textile chemicals market has been segmented into two categories, namely, colorants and auxiliaries. In addition, increasing investments by the industry players for the development of eco-friendly chemicals will also contribute to the growth of the India textile chemicals market. However, there are certain factors which have the potential to refrain the growth in demand for textile chemicals in India. Lack of differentiation in textile chemicals produced by multinational companies & domestic manufacturers and high fragmentation in the industry which is lowering the bargaining power of the suppliers are the factors posing a challenge to growth in demand for textile chemicals in the market.**

# Machinery Photographs



**REACTION VESSEL**



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# Project at a Glance

## PROJECT AT A GLANCE

(` in lacs)

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	3.00	3.00	Capital	0.00	12.98	12.98
Buildings	0.00	8.00	8.00	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	19.05	19.05	Other Type Share Capital	0.00	0.00	0.00
Motor Vehicles	0.00	2.50	2.50	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	10.00	10.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	2.50	2.50	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	38.93	38.93
Preliminary & Pre-operative Exp	0.00	0.50	0.50	Debentures / Bonds Unsecured	0.00	0.00	0.00
Provision for Contingencies	0.00	1.70	1.70	Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	4.66	4.66				
<b>TOTAL</b>	<b>0.00</b>	<b>51.91</b>	<b>51.91</b>	<b>TOTAL</b>	<b>0.00</b>	<b>51.91</b>	<b>51.91</b>

# Project at a Glance

Year	Annualised		Book Value	Debt	Dividend	Retained Earnings		Payout	Probable Market Price	P/E Ratio	Yield Price/Book Value
	EPS	CEPS				Per Share	Per Share				
	`	`	`	`	`	%	`	%	`		%
1-2	3.57	7.87	13.57	24.00	0.00	100.00	3.57	0.00	3.57	1.00	0.00
2-3	7.08	10.82	20.65	18.00	0.00	100.00	7.08	0.00	7.08	1.00	0.00
3-4	10.43	13.71	31.08	12.00	0.00	100.00	10.43	0.00	10.43	1.00	0.00
4-5	13.58	16.45	44.66	6.00	0.00	100.00	13.58	0.00	13.58	1.00	0.00
5-6	16.49	19.01	61.15	0.00	0.00	100.00	16.49	0.00	16.49	1.00	0.00

# Project at a Glance

Year	D. S. C. R.			Debt / - Deposits Debt	Equity as- Equity	Total Net Worth	Retur n on Net Worth	Profitability Ratio					Assets Turnov er Ratio	Curre nt Ratio
								GPM	PBT	PAT	Net Contri bution	P/V Ratio		
	Individ ual	Cumulat ive	Overa ll											
	(Number of times)			(Number of times)										
Initial				3.00	3.00									
1-2	1.20	1.20		1.77	1.77	2.59		18.33 %	4.63%	3.57%	72.27	55.77 %	2.12	0.97
2-3	1.56	1.37		0.87	0.87	1.50		21.15 %	9.08%	6.07%	82.88	54.82 %	2.33	1.23
3-4	1.98	1.56	1.96	0.39	0.39	0.86		23.03 %	12.14%	7.84%	94.69	54.80 %	2.36	1.58
4-5	2.46	1.75		0.13	0.13	0.50		24.27 %	14.25%	9.07%	106.4 9	54.78 %	2.28	2.01
5-6	3.02	1.96		0.00	0.00	0.29		25.06 %	15.66%	9.91%	118.30	54.77 %	2.13	3.30



# Project at a Glance

## BEP

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	68.45%
Total BEP (% of Installed Capacity)	71.21%
IRR, PAYBACK and FACR	
Internal Rate of Return .. ( In %age )	25.34%
Payback Period of the Project is ( In Years )	2 Years 4 Months
Fixed Assets Coverage Ratio ( No. of times )	8.363

# Major Queries/Questions Answered in the Report?

- 1. What is Non-Formaldehyde Dye Fixing Agent Manufacturing industry ?**
- 2. How has the Non-Formaldehyde Dye Fixing Agent Manufacturing industry performed so far and how will it perform in the coming years ?**
- 3. What is the Project Feasibility of Non-Formaldehyde Dye Fixing Agent Manufacturing Plant ?**
- 4. What are the requirements of Working Capital for setting up Non-Formaldehyde Dye Fixing Agent Manufacturing plant ?**

- 5. What is the structure of the Non-Formaldehyde Dye Fixing Agent Manufacturing Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Non-Formaldehyde Dye Fixing Agent Manufacturing Business?**
- 7. What are the operating costs for setting up Non-Formaldehyde Dye Fixing Agent Manufacturing plant ?**
- 8. What are the machinery and equipment requirements for setting up Non-Formaldehyde Dye Fixing Agent Manufacturing plant ?**

- 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Non-Formaldehyde Dye Fixing Agent Manufacturing plant ?**
- 10. What are the requirements of raw material for setting up Non-Formaldehyde Dye Fixing Agent Manufacturing plant ?**
- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up Non-Formaldehyde Dye Fixing Agent Manufacturing Business?**
- 12. What is the Manufacturing Process of Non-Formaldehyde Dye Fixing Agent?**

**13. What is the total size of land required for setting up Non-Formaldehyde Dye Fixing Agent Manufacturing plant ?**

**14. What will be the income and expenditures for Non-Formaldehyde Dye Fixing Agent Manufacturing Business?**

**15. What are the Projected Balance Sheets of Non-Formaldehyde Dye Fixing Agent Manufacturing plant ?**

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# Reasons for Buying our Report:

- **This report helps you to identify a profitable project for investing or diversifying into by throwing light to crucial areas like industry size, market potential of the product and reasons for investing in the product**
- **This report provides vital information on the product like it's characteristics and segmentation**
- **This report helps you market and place the product correctly by identifying the target customer group of the product**

- **This report helps you understand the viability of the project by disclosing details like machinery required, project costs and snapshot of other project financials**
- **The report provides a glimpse of government regulations applicable on the industry**
- **The report provides forecasts of key parameters which helps to anticipate the industry performance and make sound business decisions**

# Our Approach:

- **Our research reports broadly cover Indian markets, present analysis, outlook and forecast for a period of five years.**
- **The market forecasts are developed on the basis of secondary research and are cross-validated through interactions with the industry players**
- **We use reliable sources of information and databases. And information from such sources is processed by us and included in the report**

## ***Scope of the Report***

The report titled “Market Survey cum Detailed Techno Economic Feasibility Report on Non-Formaldehyde Dye Fixing Agent.” provides an insight into Non-Formaldehyde Dye Fixing Agent market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Non-Formaldehyde Dye Fixing Agent project. The report assesses the market sizing and growth of the Indian Non-Formaldehyde Dye Fixing Agent Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line. And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:

- **Good Present/Future Demand**
- **Export-Import Market Potential**
- **Raw Material & Manpower Availability**
- **Project Costs and Payback Period**

**We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in the Non-Formaldehyde Dye Fixing Agent sector in India along with its business prospects. Through this report we have identified Non-Formaldehyde Dye Fixing Agent project as a lucrative investment avenue.**

# Tags

#Production\_of\_Dye\_Fixing\_Agent, #Dye\_Fixing\_Agents,  
#Dye\_Fixing\_and\_Washing\_Agents, Color Fixing Agent for Dye,  
#Production\_of\_Non\_Formaldehyde\_Dye\_Fixing\_Agent\_for\_Reactive\_Dye, Dye  
Fixing Agent Manufacturing Process, Fixing Agent Manufacture, Textile Dyes  
and Chemicals, #Formaldehyde\_Based\_Dye\_Fixing\_Agent, Textile Dyeing  
Industry, Non-Formaldehyde Dye Fixing Agent Manufacturing Business,  
Formaldehyde Based Dye Fixing Agent,  
#Non\_Formaldehyde\_Dye\_Fixing\_Agent\_Production, Non Formaldehyde Dye  
Fixing Agent, #Reactive\_Dye\_Fixing\_Agent, Textile dye-fixing agents, Dye  
Fixing Agent Manufacture, Project Report on Dye Fixing Agent  
Manufacturing Process, #Project Report on Non-Formaldehyde Dye Fixing  
Agent Manufacturing Business Industry,

Detailed Project Report on Non-Formaldehyde Dye Fixing Agent Manufacturing Business, Project Report on Non-Formaldehyde Dye Fixing Agent Manufacturing Business, Pre-Investment Feasibility Study on Textile Dyeing Industry, #Techno\_Economic\_feasibility\_study\_on\_Production\_of\_Dye\_Fixing\_Agent, #Feasibility\_report\_on\_Textile\_Dyeing\_Industry, Free Project Profile on Production of Dye Fixing Agent, Project profile on Non-Formaldehyde Dye Fixing Agent Manufacturing Business, Download free project profile on Non-Formaldehyde Dye Fixing Agent Manufacturing Business, Textile Chemicals, Chemicals Used in Textile Processing, Textile Chemical Processing, Textile Chemicals Production

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Business Opportunities in Textile  
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**NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.**

**Our Market Survey cum Detailed Techno Economic Feasibility Report provides an insight of market in India. The report assesses the market sizing and growth of the Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line.**



**And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:**

- **Good Present/Future Demand**
- **Export-Import Market Potential**
- **Raw Material & Manpower Availability**
- **Project Costs and Payback Period**

**The detailed project report covers all aspect of business, from analyzing the market, confirming availability of various necessities such as Manufacturing Plant, Detailed Project Report, Profile, Business Plan, Industry Trends, Market Research, Survey, Manufacturing Process, Machinery, Raw Materials, Feasibility Study, Investment Opportunities, Cost and Revenue, Plant Economics, Production Schedule,**



**Working Capital Requirement, uses and applications, Plant Layout, Project Financials, Process Flow Sheet, Cost of Project, Projected Balance Sheets, Profitability Ratios, Break Even Analysis. The DPR (Detailed Project Report) is formulated by highly accomplished and experienced consultants and the market research and analysis are supported by a panel of experts and digitalized data bank.**

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- *One of the leading reliable names in industrial world for providing the most comprehensive technical consulting services*
- *We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients' in India & abroad*



*We at NPCS want to grow with you by providing solutions scale to suit your new operations and help you reduce risk and give a high return on application investments. We have successfully achieved top-notch quality standards with a high level of customer appreciation resulting in long lasting relation and large amount of referral work through technological breakthrough and innovative concepts. A large number of our Indian, Overseas and NRI Clients have appreciated our expertise for excellence which speaks volumes about our commitment and dedication to every client's success.*



*We bring deep, functional expertise, but are known for our holistic perspective: we capture value across boundaries and between the silos of any organization. We have proven a multiplier effect from optimizing the sum of the parts, not just the individual pieces. We actively encourage a culture of innovation, which facilitates the development of new technologies and ensures a high quality product.*



# What do we offer?

- *Project Identification*
- *Detailed Project Reports/Pre-feasibility Reports*
- *Market Research Reports*
- *Business Plan*
- *Technology Books and Directory*
- *Industry Trend*
- *Databases on CD-ROM*
- *Laboratory Testing Services*
- *Turnkey Project Consultancy/Solutions*
- *Entrepreneur India (An Industrial Monthly Journal)*



## How are we different ?

- *We have two decades long experience in project consultancy and market research field*
- *We empower our customers with the prerequisite know-how to take sound business decisions*
- *We help catalyze business growth by providing distinctive and profound market analysis*
- *We serve a wide array of customers , from individual entrepreneurs to Corporations and Foreign Investors*
- *We use authentic & reliable sources to ensure business precision*



# Our Approach

**Requirement collection**

**Thorough analysis of the project**

**Economic feasibility study of the Project**

**Market potential survey/research**

**Report Compilation**



# Contact us

## NIIR PROJECT CONSULTANCY SERVICES

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<https://goo.gl/VstWkd>





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