

# The Complete Technology Book on Chemical Industries

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In modern age chemical industries have permeated most extensively in comparison with other industries and are progressing at a very rapid pace. Chemical Industry in India is one of the fastest growing industries under the Indian economy. The chemical industry comprises the companies that produce industrial chemicals. Central to the modern world economy, it converts raw materials into more than 70,000 different products. Chemicals have contributed in various sectors like food industry, fertilizers, perfumery, fragrance and flavour etc. Chemicals are used to make a wide variety of consumer goods, as well as thousands inputs to agriculture, manufacturing, construction, and service industries. There are numerous chemicals produced in chemical industry for example chloroform, caffeine, fertilizers, dyes, drug intermediates, herbicide, inorganic salts, copper sulphate, acetaldehyde etc. The chemical industry itself consumes 26 percent of its own output. The Chemical Industry in India is based on the idea of diversification. For example inorganic chemicals is the sector where the growth rate is near about 9% and the chemicals produced in this sector are mainly used in alkalis, fertilizers, etc. Depending on the product categories the chemical industry is divided in many other sectors like drugs and pharmaceuticals, fertilizers, fine chemicals like dyes and paints etc. The chemical industry in India which generates almost 13% of total national export is growing annually at a growth rate anywhere between 10% and 12%.

This book majorly deals with the molecular formula, raw materials, properties, laboratory testing, manufacturing process explained with flow diagrams and uses of the chemicals. The major contents of the book are inorganic salts, inorganic chemicals, industrial gas, fertilizers, alum, caffeine, ceramic chemicals etc. This book covers the production of more than 100 chemicals for example acetanilide, methylamine, butylamine, linalol, phosphorous, salicylic acid etc. This book should be of great value to young chemical engineers and chemists who are just entering the field but those already practicing will find much of interest and use for broadening of their insight in to fields in which they are only marginally informed. It is hoped that this book will aid to young engineers, chemical, civil, mechanical and electrical as well as chemists, in understanding the value of chemical, the type of problems met in their production and method for solving these problems.

## 1. 2-Chloro-6(Trichloromethyl)-Pyridine

Introduction

Classification

Uses and Applications

Industrial Prospect

Formulations  
Process of Manufacture  
Laboratory Testing  
Determination of Pyridine Content  
Apparatus  
Test Substances  
Procedure  
Chart Speed  
Calculation

## 2. Alkylamines

Methylamine  
Ethylamine  
Propylamine  
Isopropylamine  
Butylamine  
Isobutylamine  
Amylamine  
Monoethanolamine  
Diethanolamines  
Triethanolamine  
Manufacturing Process  
Reaction  
Uses  
Grades  
Toxicity  
Polypropylene  
Manufacturing Process  
Hercules Polypropylene Process  
Uses  
Grades  
Polyethylene  
Manufacturing Process  
From Ethylene by Low-Pressure Polymerization  
(Phillips Process)  
Uses  
Grades  
Toxicity  
Vinyl Acetate  
Manufacturing Process

## 3. Alum

Introduction  
Raw Material Requirements  
Reactions  
Process of Manufacture  
Uses  
Plant & Machinery  
Market Potential  
Plant Economics  
Analytical Testing of Ammonium Alum  
EDTA Method  
Reagents

Procedure  
Calculation  
Gravimetric Method  
Laboratory Testing of Aluminium Sulphate  
Introduction  
Procedure

#### 4. Bleaching Powder

Introduction  
Properties  
Properties  
Uses  
Process of Manufacture  
Laboratory Testing  
Glacial Acetic Acid  
Calculation

#### 5. Caffeine (C<sub>8</sub>H<sub>10</sub>N<sub>4</sub>O<sub>2</sub>.H<sub>2</sub>O)

From Tea Waste  
Raw Material Requirements  
Process  
Properties  
Purity  
Reagents and Apparatus  
Standardization  
Procedure A : (Potentiometric)

#### 6. Ceramic Chemicals

Boric Acid  
Properties  
Manufacturing Process  
Reaction  
Flow Diagram  
Uses  
Grades  
Toxicity

#### 7. Chemical and Additive for Food Industry

Citric Acid  
Properties  
Lactic Acid  
Molecular Formula  
Manufacturing Process  
Sodium Bicarbonate  
Manufacturing Process

#### 8. Chloroform (Trichloromethane) CHCl<sub>3</sub>

Chloroform  
Molecular Formula  
Properties  
From Methane by Chlorination  
Material Requirements (Theoretical)  
Process

From Acetone and Bleaching Powder

Reaction

Material Requirements

Process

Grades

Purity

Determination of Relative Density

Apparatus

Procedure

Calculation

Determination of Distillation Yield

Apparatus

Assembly of the Apparatus

Procedure

9. Chloram Phenicol (p)(-)-Threo-1-(Para-nitrophenyl)-  
2-dichloroacetamide-1, 3-propanediol

Reaction

Raw Material Requirements

Manufacturing Process

Properties

Grades

Purity

10. Coumarin (C<sub>9</sub>H<sub>6</sub>O<sub>2</sub>)

From Salicylaldehyde

Reaction

Properties

Grades

Use & Application

Process of Manufacture

Laboratory Testing

Apparatus

Coumarin

Procedure

Reaction with Iodine Solution

11. Construction Material

Lime (Calcium Oxide)

Properties

Manufacturing Process

Hydrated Lime

Chemical Lime

Reaction

Flow Diagram

Uses

Grades

Toxicity

12. Corrosion Inhibitor

Sodium Dichromate

Manufacturing Process

From Chromite Ore

Reaction  
Flow Diagram  
Uses  
Grades  
Toxicity

### 13. Drug Intermediates & Pharmaceuticals

Acetanilide  
Molecular Formula  
Properties  
Manufacturing Process  
Reaction  
Uses  
Specification of Commercial Graders  
Toxicity

### 14. Dry Cleaning Solvent

Perchloroethylene  
Molecular Formula  
Properties  
Manufacturing Process  
Reaction  
Flow Diagram  
Uses  
Grades  
Toxicity

### 15. Dyes and Intermediates

Aceto-Acetanilide  
Properties  
Manufacturing Process  
Reaction  
Flow Diagram  
Uses  
Grades  
Toxicity  
Anthraquinone  
Properties  
Manufacturing Process  
From Phthalic Anhydride and Benzene  
Raw Material requirements  
b-Naphthol  
Properties  
Manufacturing Process  
From Naphthalene  
Raw material requirements  
Bon Acid (3-Hydroxy-2 Naphthoic Acid)  
Properties  
Manufacturing Process  
Raw material requirements  
Reaction  
Flow Diagram  
Uses

Grade  
G-Acid (2-Naphthol-6, 8 Disulphonic Acid)  
Properties (Sodium Salt)  
Manufacturing Process  
Reaction  
Uses  
H-Acid  
Properties  
Manufacturing Process  
Reaction  
Flow Diagram  
Uses  
Naphthalene  
Manufacturing Process  
Process  
Naphthol Asg  
Manufacturing Process  
Raw material requirements  
Reaction  
Flow Diagram  
Uses  
Grades  
Rhodamine B (Basic Dye)  
Properties  
Manufacturing Process  
From Phthalic Anhydride  
Raw material requirements  
Reaction  
Flow Diagram  
Uses  
Grades  
Toxicity

16. Ester Gum  
Field of Applications  
Classification  
Manufacture  
Laboratory Testing  
Reagents  
Driers  
Procedure  
Determination of Gel Time  
General  
Reagents  
Procedure

17. Fatty Acids  
Properties  
Manufacturing Process  
Raw Material Requirement  
Reaction  
Flow Diagram  
Uses

Grades  
Toxicity

## 18. Fertilizers

Introduction

Nutrition requirements of crops

Overview of the fertilizer industry

Nitrogen Fertilizers

Miscellaneous low-volume nitrogen fertilizers

Nitrogen fertilizers from synthetic ammonia

Phosphate Fertilizers

Natural Organic Phosphate Fertilizers

Fertilizers from Mineral Phosphates

Potassium Salts

Potassium Minerals

Potassium-Magnesium Minerals

Potassium Sulfate

Potassium Nitrate

Potassium Phosphates

Mixed Fertilizers

Nongranular Mixtures

Compound Granulars

Bulk Blends

Fluid Mixtures

## 19. Gaur Gum (Galactomannan Gum)

From Guar Seeds (Dry Process)

Raw Material Requirements

Process

Other Processes

Properties

Grades

Containers

Purity

Procedure

Calculation

Determination of Ash

Procedure

Calculation

Determination of Protein

Apparatus

Reagents

Calculation

Determination of Residue Insoluble in Acid

Reagents

Procedure

Calculation

Determination of Gum Content

Procedure

Economic Aspects

## 20. Herbicide

2, 4-Dichloro Phenoxy Acetic Acid (2, 4-D Acid)

Manufacturing Process  
Raw Material requirements  
Reaction  
Flow Diagram  
Uses  
Grades  
Toxicity

## 21. Industrial Gases

Overview  
Nitrogen  
Oxygen  
Argon  
Hydrogen  
Helium  
Carbon Dioxide - CO<sub>2</sub>  
Liquefied Natural Gas  
Acetylene  
Nitrous Oxide

## 22. Industrial Halogens

Bromine  
Manufacturing Process  
Bromine from Sea Water  
Reaction  
Raw material requirements  
Reaction  
Uses  
Grades  
Toxicity  
Chlorine  
Properties  
Manufacturing Process  
From Salt by Electrolysis  
Raw material requirements (Diaphragm cell)  
Reaction  
Uses  
Grades  
Toxicity  
Iodine  
Manufacturing Process  
From Oil-well Brines (Silver iodide process)  
Raw material requirements  
Reaction  
Uses  
Grades  
Toxicity

## 23. Inorganic Chemicals - With Multipurpose end use

Activated Alumina  
Manufacturing Process  
From Alum and Caustic Soda



Raw material requirement

Reaction

Uses

Grades

Toxicity

Activated Carbon

Properties

Manufacturing Process

From Charcoal

Raw Material Requirements

Uses

Grades

Toxicity

Phosphorus Oxychloride

Properties

Manufacturing Process

From Phosphorus Trichloride and Phosphorus

Pentoxide

Raw material requirements

Reaction

Uses

Grades

Toxicity

Sodium Acetate

Properties

Manufacturing Process

From Acetic Acid and Soda Ash

Raw material requirements

Reaction

Uses

Grades

Toxicity

Sodium Chloride

Properties

Manufacturing Process

By Solar Evaporation

Raw material requirements

Major Engineering Problems

Uses

Grades

Toxicity

24. Inorganic Salts

Aluminium Chloride

Properties

Manufacturing Process

From Aluminium Metal and Chlorine

Raw material requirements

Reaction

Uses

Grades

Toxicity

Ammonium Chloride

Properties

Manufacturing Process

From ammonium sulphate and sodium chloride

Raw material requirements

Reaction

Uses

Grades

Toxicity

Ammonium Nitrate

Properties

Manufacturing Process

From Ammonia and Nitric Acid

Raw Material Requirements

Barium Carbonate

Properties

Manufacturing Process

From Barium Sulphide and Carbon Dioxide

Raw material requirements

Reaction

From Barium Sulphide and soda Ash

Raw material requirements

Reaction

Uses

Grades

Toxicity

Copper Sulphate

Properties

Manufacturing Process

From Cupric Oxide and Sulphuric Acid

Raw material requirements

Reaction

Uses

Grades

Toxicity

Uses

Grades

Toxicity

Ferrous Sulphate Heptahydrate

Properties

Manufacturing Process

From Steel Pickling Liquor

Raw material requirements

Reaction

Uses

Grades

Toxicity

Potassium Silicate

Properties

Manufacturing Process

From Sodium Silicate

Raw material requirements

Uses

Grades

25. Linalol  
Introduction  
Raw Materials Required  
Process  
Miscellaneous  
Properties  
Containers  
Grades  
Uses  
Plant & Machinery  
Plant Economics  
Market Potential

26. Litharge (Lead Monoxide, Yellow Lead Oxide) pbo  
By Air Oxidation of Lead Metal (4 Alternate Processes)  
Reaction  
Material Requirements  
Process  
Properties  
Grades  
Containers  
Purity  
Determination of Litharge Content  
General  
Volumetric Method  
Reagents  
Procedure  
EDTA Method  
Reagents  
Procedure  
Economic Aspects

27. Metallic Stearates  
Aluminium Stearate  
Calcium Stearate  
Magnesium Stearate  
Lead Stearate  
Zinc Stearate  
Metallic Stearates  
Manufacturing Process  
Raw material requirements  
Aluminium Stearate  
Test  
Reaction  
Uses  
Aluminium Stearate  
Calcium Stearate  
Lead Stearate  
Magnesium Stearate  
Zinc Stearate

Grades  
Toxicity

## 28. Metal Treatment and Degreasing chemicals

Chromic Acid

Properties

Manufacturing Process

From Sodium Dichromate

Raw material requirements

Reaction

Uses

Grades

Trichloroethylene

Properties

Manufacturing Process

From Acetylene and Chlorine

Raw material requirements

Reaction

Uses

Grades

Toxicity

## 29. Natural Gas

Characteristics

Occurrence of Natural Gas

Preparing Natural Gas for Transmission and Sale

Processing for Liquids Recovery

## 30. Acetaldehyde

Properties

Aceto Acetic Ester

Properties

Manufacturing Process

Raw Material Requirement

Reaction

Uses

Grades

Toxicity

Fire Fighting

Aniline

Properties

Manufacturing Process

From Nitrobenzene by reduction

Raw Material requirements

Benzaldehyde

Properties

Manufacturing Process

Oxidation of Toluene

Raw material requirements

Reaction

Uses

Grades

Specifications for Benzaldehyde

Toxicity  
Carboxy methyl cellulose (sodium Salt)  
Properties  
Manufacturing Process  
From Waste Cotton (or cellulose)  
Raw material requirements  
Reaction  
Uses  
Grades  
Ethylene Dichloride  
Properties  
Manufacturing Process  
From Ethylene and Chlorine  
Raw material requirements  
Glycerine  
Properties  
Manufacturing Process  
Raw material requirements  
8-Hydroxy Quinoline  
Properties  
Manufacturing Process  
Raw material requirements  
Uses  
Grades  
Toxicity

### 31. Perfumery, FragNance and Flavour

Chemicals  
Benzyl Acetate  
Properties  
Manufacturing Process  
Raw material requirements  
Reaction  
Coumarin  
Properties  
Manufacturing Process  
Raw material requirements  
Reaction  
Uses  
Grades  
Toxicity  
Phenylacetic Acid  
Properties  
Manufacturing Process  
From Benzyl Chloride  
Raw material requirement  
Reaction  
Uses  
Grades  
Toxicity  
Vanillin  
Properties  
Manufacturing Process

From Waste Sulphite Pulp Liquor  
Raw material requirements  
Reaction  
Uses  
Grades  
Toxicity

## 32. Phosphorus and Phosphates

Introduction  
Phosphate Rock  
Resources  
Phosphate Ores  
Mining  
Beneficiation  
Elemental Phosphorus and Phosphoric Acid  
Furnace Phosphoric Acid  
Industrial Phosphates  
Wet Process Phosphoric Acid  
Dihydrate Process  
Major Dihydrate Processes  
Hemihydrate Processes for Phosphoric Acid  
Unit Operations  
Superphosphoric Acid  
Wet Process Acid by-Products  
Phosphogypsum  
Fluorine Recovery  
Uranium Recovery  
Purified Phosphoric Acid  
Environmental Aspects

## 33. Plasticiser

Chlorinated Paraffin Wax  
Molecular Formula  
Properties  
Dialkyl Phthalates  
Dimethyl Phthalates  
Properties  
Diethyl Phthalate  
Properties  
Dibutyl Phthalates  
Properties  
Dioctyl Phthalates  
Properties  
Diamyl Phthalates  
Properties  
Manufacturing Process  
From Phthalic Anhydride and Alcohol by  
Esterification  
Raw material requirements  
Dibutyl phthalate  
Reaction  
Uses  
Grades

Toxicity  
Tricresyl Phosphate  
Properties  
Manufacturing Process  
From Cresol and Phosphorus Oxychloride  
Reaction  
Uses  
Grades  
Toxicity

#### 34. Potassium Permanganate (KMnO<sub>4</sub>)

Properties  
From Manganese Ore  
Reaction  
Material Requirements  
Process  
From Potassium Manganate by Electrochemical  
Oxidation  
Reaction  
Material Requirements  
Process  
Grades  
Containers  
Purity  
Determination of Potassium Permanganate Content  
Reagents  
Procedure  
Calculation  
Economic Aspects

#### 35. Red Iron Oxide

Introduction  
Raw Material Requirements  
Process  
Plant and Machinery  
Uses  
Market Potential  
Plant Economics  
Properties  
Grades  
Containers  
Determination of Ferric Oxide (Red)  
Reagents  
Procedure  
Calculation

#### 36. Red Lead (Pb<sub>3</sub>O<sub>4</sub>)

Introduction  
Raw Material Requirements  
Process of Manufacture  
Plant and Machinery  
Plant Economics  
Economic Aspects/Market Potential

Miscellaneous  
Properties  
Grades  
Containers  
Hazard  
Uses  
Analytical Testing  
Determination of Lead  
Procedure  
Calculation

### 37. Resorcinol (3-Hydroxy Phenol)

From Benzene  
Reaction  
Raw Material Requirements  
Process  
Properties  
Grades  
Containers  
Purity  
Economic Aspects

### 38. Rubber & Rubber Chemicals

Butadiene  
Properties  
Manufacturing Process  
From Butane by Dehydrogenation (Hydro  
Catadiene process)  
Raw material requirements  
Reaction  
Uses  
Grades  
Toxicity  
Chlorinated Rubber  
Properties  
Manufacturing Process  
Raw material requirements  
From Rubber Solution  
Test  
Uses  
Grades  
Diphenylamine  
Properties  
Manufacturing Process  
From Aniline  
Raw material requirement  
Reaction  
Uses  
Grades  
Toxicity

### 39. Saccharin

Alkali Oxidation Process



Raw Material Requirements  
Process  
Sodium Dichromate Process  
Chromic Acid Process  
Sodium Saccharin  
Liquid Saccharin  
Properties  
Grades  
Purity  
Economic Aspects

40. Salicylic Acid  
From Phenol  
Reaction  
Material Requirements  
Process  
Properties  
Grades  
Containers  
Purity  
Reagents  
Procedure  
Economic Aspects

41. Silica Gel  $\text{SiO}_2 \cdot n\text{H}_2\text{O}$   
From Sodium Silicate and Sulphuric Acid  
Raw Material Requirements  
Process  
Properties  
Grades  
Containers  
Purity  
Procedure  
Water Soluble Chlorides  
Reagents  
Procedure  
Calculation  
Cobalt Assessment  
Reagents  
Procedure  
Calculation  
Ammonium Compounds  
Apparatus  
Reagents  
Procedure  
Water Soluble Sulphates  
Reagents  
Procedure  
Economic Aspects

42. Salt, Chlor-Alkali, and Related Heavy  
Chemicals  
Sodium Chloride

Soda Ash  
Sodium Bicarbonate  
Sodium Sulfate  
Sodium Sulfides  
Sodium Thiosulfate  
Sodium Sulfite  
Sodium Bisulfite  
Sodium Hyposulfite  
Sodium Phosphates  
Sodium Silicate  
Chlor-Alkali (Chlorine and Caustic Soda)  
Hydrochloric Acid  
Bromine and Brine Chemicals  
Bleaches  
Sodium Chlorate

43. Silicone Resin  
Manufacturing Process  
Laboratory Testing  
Silicone Resin  
Rapid Method for Determination of Silicone  
Laboratory Testing  
Silica Resin  
Determination of Silica by the Gravimetric Method  
Reagents  
Procedure  
Properties  
Calculation

44. Solvents  
Acetone  
Properties  
Carbon Tetrachloride  
Properties  
Manufacturing Process  
From Carbon Disulphide and Chlorine  
Raw material requirements  
Chlorobenzene And Dichlorobenzene  
Chlorobenzene  
p-Dichlorobenzene  
Properties  
Ethyl Acetate  
Properties  
Manufacturing Process  
From Ethyl Alcohol and Acetic Acid by  
Esterification  
Raw material requirements  
Isopropyl Alcohol  
Properties  
Manufacturing Process  
From Propylene  
Raw material requirements  
Methyl Alcohol (Methanol)

Properties  
Manufacturing Process  
From Carbon Monoxide and Hydrogen  
Raw material requirements  
Methyl Ethyl Ketone  
Properties  
Manufacturing Process  
From Secondary Butyl Alcohol by Dehydrogenation  
Raw material requirements  
Reaction  
Uses  
Grades  
Toxicity  
Nitrobenzene  
Properties  
Manufacturing Process  
From Benzene and Nitric Acid  
Raw material requirements  
Nitroparaffins  
Nitromethane  
Properties

#### 45. Sulfur and Sulfuric Acid

Sulfur  
Development of the Sulfur Industry  
Sulfur Production Processes  
Recovered Sulfur  
Sulfuric Acid  
Uses of Sulfuric Acid  
Manufacture of Sulfuric Acid by the Contact  
Process  
Sulfur Dioxide production  
Conversion of  $\text{SO}_2$  to  $\text{H}_2\text{SO}_4$   
Absorption of  $\text{SO}_3$   
Other Sources of Sulfuric Acid

#### 46. Ultramarine Blue

#### 47. Raw Material Requirements

Process  
Properties  
Grades  
Containers  
Purity  
General  
Apparatus  
Reagents  
Procedure  
Calculation  
Test for Fastness of Light  
General  
Apparatus  
Procedure  
Test for soluble organic colouring matter

General  
Reagents  
Procedure  
Market Aspects

#### 47. Zinc Sulphate

Introduction  
Properties  
Uses  
Scope  
Manufacturing Process  
Purification  
Laboratory Testing of Zinc Sulphate  
Determination of Zinc  
Reagents  
Procedure  
Calculation

## About NIIR

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