

The Complete Technology Book on Chemical Industries

Author: NIIR Board

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About the Book

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.

Contents

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 (C₈H₁₀N₄O₂.H₂O)
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) CHCl₃
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 (C₉H₆O₂)
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 - CO₂

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

Diocetyl 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 (KMnO₄)

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 (Pb₃O₄)

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 SO₂ to H₂SO₄

Absorption of SO₃

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

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NIIR PROJECT CONSULTANCY SERVICES, 106-E, Kamla Nagar, New Delhi-110007, India. **Email:** npcs.india@gmail.com **Website:** NIIR.org