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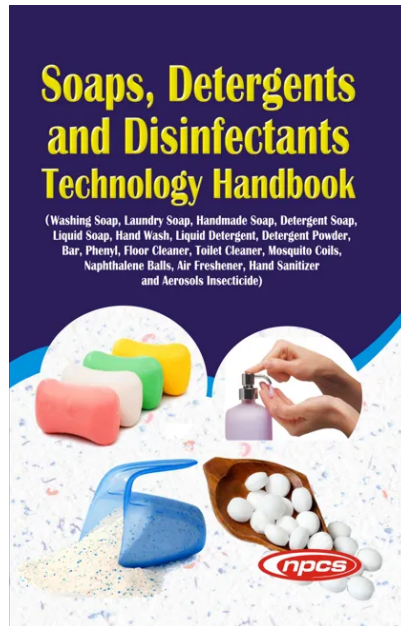
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Soaps, Detergents and Disinfectants Technology Handbook (3rd Revised Edition)

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Description

Soaps, Detergents and Disinfectants Technology Handbook (3rd Revised Edition)
(Washing Soap, Laundry Soap, Handmade Soap, Detergent Soap, Liquid Soap , Hand Wash, Liquid Detergent, Detergent Powder , Bar, Phenyl, Floor Cleaner, Toilet Cleaner, Mosquito Coils, Naphthalene Balls, Air Freshener, Hand Sanitizer and Aerosols Insecticide)

Soaps are cleaning agents that are usually made by reacting alkali (e.g., sodium hydroxide) with naturally occurring fat or fatty acids. A soap is a salt of a compound known as a fatty acid. A soap molecule consists of a long hydrocarbon chain (composed of carbons and hydrogens) with a carboxylic acid group on one end which is ionic bonded to a metalion, usually a sodium or potassium. The hydrocarbon end is nonpolar and is soluble in nonpolar substances (such as fats and oils), and the ionic end (the salt of a carboxylic acid) is soluble in water. Soap is made by combining tallow (or other hard animal fat) or vegetable or fish oil with an alkaline solution. The two most important alkalis in use are caustic soda and caustic potash.

A detergent is an effective cleaning product because it contains one or more surfactants. Because of their chemical makeup, the surfactants used in detergents can be engineered to perform well under a variety of conditions. Such surfactants are less sensitive than soap to the hardness minerals in water and most will not form a film. Disinfectants are chemical agents applied to non-living objects in order to destroy bacteria, viruses, fungi, mold or mildews living on the objects. Disinfectants are chemical substances used to destroy viruses and microbes (germs), such as bacteria and fungi, as opposed to an antiseptic which can prevent the growth and reproduction of various microorganisms, but does not destroy them. The ideal disinfectant would offer complete sterilization, without harming other forms of life, be inexpensive, and non-corrosive.

The global soap and detergent market is expected to reach USD 207.56 billion by 2025. The industrial soaps & detergents are extensively used by the commercial laundries, hotels, restaurants, and healthcare providers. Increasing demand from healthcare and food industries will continue to drive the market. Aerosol and liquid products are the common disinfectants used in hospitals, although growing number of healthcare facilities are implementing ultraviolet disinfection systems as further measure. Increasing demand for disinfectants from water treatment and healthcare industries is fuelling growth of the global disinfectants market.

The major contents of the book are Liquid Soaps and Hand Wash, Liquid Soap and Detergents, Washing Soap: Laundry Soap Formulation, Antiseptic and Germicidal Liquid Soap, Manufacturing Process And Formulations Of Various Soaps, Handmade Soap, Detergent Soap, Liquid Detergent, Detergent Powder, Application and Formulae Of Detergents, Detergent Bar, Detergents Of Various Types, Formulating Liquid Detergents, Phenyl, Floor Cleaner, Toilet Cleaner, Mosquito Coils, Naphthalene Balls,

Air Freshener (Odonil Type), Liquid Hand Wash and Soaps, Hand Sanitizer, Aerosols–Water and Oil Based Insecticide (Flies, Mosquitoes Insect and Cockroach Killer Spray), Ecomark Criteria for Soaps & Detergents, Plant Layout, Process Flow Chart and Diagram, Raw Material Suppliers List and Photographs of Machinery with Supplier's Contact Details.

This book will be a mile stone for its readers who are new to this sector, will also find useful for professionals, entrepreneurs, those studying and researching in this important area.

Content

1. INTRODUCTION

2. LIQUID SOAPS AND HAND WASH

Method of Manufacture

Raw Material Required

3. LIQUID SOAP AND DETERGENTS

Product Introduction

Method of Manufacture

Liquid Detergents

Weight Equivalents of DDBSA

Molecular Weights

Special Procedures for Compounding

4. WASHING SOAP : LAUNDRY SOAP

FORMULATION

Manufacture of Laundry Neat Soap from Oil, Blend

Harding of RBD

Acid Wash for RBHT

Salt Wash for Neem Oil

Blending

Neem Soap Manufacture

Manufacture of Laundry Soap

Step 1: Mixing of Sodium Silicate, China Clay and Salt

Step 2: Cratcher Mixing Operation

Step 3: Spray Drying

Step 4: Cutting

Step 5: Stamping

Step 6: Wrapping

Step 7: Packing

Theory

Process and Raw Material

Product Profile

Washing Soaps

Brand Name

Process

5. ANTISEPTIC AND GERMICIDAL LIQUID SOAP

Hexachlorophene Soaps

Control of Clarity

Filtration

Bottling and Packaging

6. MANUFACTURING PROCESS AND FORMULATIONS OF VARIOUS SOAPS

(A) Washing Soaps

1. Washing Soap with Soap Stone (by Cold Process)

Process

2. Washing Soap with Soda Silicate (by Cold Process)

Process

3. Washing Soap

Process

4. Sunlight Type Washing Soap

Process

5. Sunlight Type Washing Soap (Other Formula)

Process

6. Washing Soap Made of Groundnut Oil Residue

Process

7. Washing Soap (from Linseed Oil)

Process

8. Washing Soap (made of Cottonseed Oil)

Process

Nerol Soap

Process of Manufacturing

9. Other Selected Formulas of Washing Soaps

Process

(B) Nerol Washing Soap

Process of Manufacturing

(C) Toilet Soaps

Selected Formulas for Toilet Soaps

For Toilet Soap Perfumes

(D) Carbolic Soaps

Process

2. +-Lifeboy Type Soap

Process

3. Transparent Soap (Pears Types)

Process

Transparent Soap (Another Formula)

Process

(E) Shaving Soaps

Process

Process

(F) Special Soaps

1. Borax Soap (For Pimples)

Process

2. Borax Soft Soap

Process

3. Soft Soap (Other Formula)

Process

4. Rug Cleaning Soap

Process

5. Dry-Cleaning Soap (Liquid)

Process

6. Soap used in the Bleaching of Jute

Process

7. Built Soaps for Cottons and Linens

Process

8. Sandle Soap

Process

(G) Vaseline Soap

Process

(H) Liquid Soap

Process

(I) Girt Soaps

Process

2. Hand Soap Paste with Mineral Abrasive

Process

3. Powdered Hand Soap with Vegetable Abrasive and Lanolin

Process

(J) Depilatory Soaps

Process

(K) Metallic Soaps in protective coating industry

Metals

Method of Precipitation

(L) Liquid Dental Soap

(M) Medicated Soap

Neem Soap

Formulation

7. HANDMADE SOAP

Properties

Benefits of Handmade Soap

Types of Handmade Soap

Cold Process Soap

Hot Process Soap

Liquid Soap

Transparent Soap

Glycerin Soap

Ready-Made Soap Bases

Basic Ingredients in Handmade Soap

Tools and Equipments

Temperature Chart

Handmade Soap Formulae

Lavender Soap

Sweet Almond Oil Soap

Seagrass Soap

Cocoa and Shea Butter Soap

Column Swirl Soap

Spoon Swirl Handmade Soap

Cocoa Butter Soap

Coffee Soap

Creamy Coconut Milk Soap

Rose Milk Soap

Sweet Citrus Honey

White Camellia Oil Soap

Basic Soap-Making Processes

Cold Process

Hot Processes

Moulds

Purification and Finishing

8. DETERGENT SOAP

Properties

Uses & Applications

Detergent Cake Formulation

Manufacturing Process

Process Flow Diagram

9. PACKAGING OF SOAPS

Soap Packaging Benefits

Factors to Consider

Types of Soap Packaging

Soap Packaging Machines

10. LIQUID DETERGENT

Uses of Liquid Detergent

Liquid Detergent Formulations

1. Heavy Duty Liquid Detergent

2. Light Duty Liquid Detergent

Manufacturing Process

Process Flow Diagram

11. DETERGENT POWDER

Properties of Detergent Powder

Uses & Application

Manufacturing Process

Process Flow Diagram

12. APPLICATION AND FORMULAE OF DETERGENTS

Foam

Household Cleaning

Heavy-Duty Laundering

Formula 9

Spray-dried Heavy-duty Household Hand-washing Powder

Foam Control

Formula 10

Heavy-duty Fully Automatic Washing Machine Powder

Formula 11

Low-foaming Machine Powder for Soft-water Areas

Formula 12

Low-foaming Machine Powder for Soft-water Areas Using

Formulae 13-14

Spray- dried Household Low-foaming Laundry Powders
Formulae 15, 16, 17, 18

Heavy-duty Liquid Detergents
Formula 19

Heavy-duty Liquid Detergent with 'Controlled Foam'
Formula 20

Heavy-duty Liquid Detergent and Bleach
Formula 21

Light-duty Household Liquid Detergent
Formula 22

Lotion-type Light-duty Liquid Detergent
Formulae 23-27

Light-duty Liquid Detergents
Formula 28

Household Fine-wash Spray-dried Powder
Formula 29

40 per cent Detergent Paste
Formula 30

Spray-dried General-purpose Powder
Formula 31

General-purpose Powder
Formula 32

General-purpose Powder
Choice of Non-Ionic
Concentrated Powders
Mix Together

Cold Water Washing
Hard-Surface Cleaners
Formula 33

Hard-surface Cleaner
Formula 34

Hard-surface Cleaner
Formula 35

Aerosol Oven Cleaner
Machine Dishwashing
Formula 36

Machine Dish-washing Powder for Soft-water Areas
Formula 37

Machine Dish-washing Powder for Moderately Hard-water Areas
Formula 38

Machine Dish-washing Powder for Hard-Water Areas

Abrasive-Type Cleaners
Formula 39
Household Scouring Powder
Formula 40
Formula 41
Household Scouring Liquid
Miscellaneous Household Cleaners
Formula 42
Household Window-cleaning Liquid
Formula 43
Floor Cleaner
Commercial Laundering
Formula 44
Spray-dried Industrial Laundry Powder
Formula 45
Industrial Laundry Powder not Spray-dried
Solvent Detergents
Formula 46
Detergent-solvent Combination
Formula 47
Detergent-solvent Combination
Formula 48
Kerosene Water Solution
Formula 49
Solvent detergent Combination
Formula 50
Solvent-detergents based on 100 per cent ABS (So₃ produced)
Formula 51
Dry-cleaning Detergent
Carpet and Upholstery Cleaners
Textile Dressing
Formula 52
Textile Scouring Paste
Formula 53
Textile Degumming Detergent Paste
Mercerizing
Food and Dairy Industries
Formulae 54-56
Food and Dairy Alkaline Detergent Cleaner
Formula 57
Bottle-washing Compound

Detergent Sanitizers
Formula 58 and Formula 59
Metal Cleaners
Formula 60
Acid Cleaner for Water-cooling Systems
Miscellaneous Cleaners
Lavatory Cleaner
Hand Cleaners
Formula 75
Hand Cleanser
Formula 76
Detergent Hand Cleanser
Formula 77
Hand Cleanser in Powder Form
Waterless Hand Cleansers
Formula 78
Waterless Hand Cleanser
Formula 79
Waterless Hand Cleanser
Formula 80
Waterless Hand Cleanser

13. DETERGENT BAR

Formulation
Sequence of Additions
Type of Defects
Manufacturing Process of Detergent Bar

14. DETERGENTS OF VARIOUS TYPES

(A) Detergent Powder
Method
Other Formulaes
Process
List of Plant and Machinery
Raw Materials Used per day
Dairy Equipment Cleaners
Bottle Cleaners
Preparation of Caustic Gluconate Solution
Dairy Equipment Cleaners
Dish Washing Detergents
(a) For China Dishes by Soft Water

(b) In Soft as well as Moderately Hard Water

(c) For China Dishes by Hard Water

(d) For Plasticware/Chinaware

Other Dish-Washing Compounds (Vim Type Cleaning-Powder)

1. For Aluminium Ware

2. For Glass, China and Silverware

3. Washing Powder (For Cottons)

4. Washing compounds (For Woollens)

5. Washing Compound (For Wool)

6. Rug Cleaners

7. Floor Cleaners (Building Surface)

8. Wall Cleaner

9. Floor Cleaner (Light Duty Powder)

10. Heavy Duty Cleaner

11. Various Head Cleaning Compounds

12. Cleaner for Artificial Teak

13. Stoneware Glaze

14. Paint Brush Cleaner

15. Auto Polish

Process

Direction for Use

Process

Direction for Use

Process

Direction for Use

Scouring Powders

Floor Cleaners

1. Common Wall Cleaner

2. Light Duty Cleaner (Powder)

3. Heavy Duty Cleaner

4. Cleaner for Building Surface

Sanitary Cleaner

List of Plants and Machinery

Raw Material

Metal cleaners

Aluminium Cleaner

Steel Cleaner

Cleaner for Iron Applied Prior to Galvanishing

Liquid Pine Scrub Soap for General Floor Scrubbing

Wax Removing Cleaner (Liquid)

Sweeping Compound (Oil Base)

Painted Surface Cleaner (Powder)
(B) Liquid Detergents
All Purpose Liquid Cleaners
Dish Washing Liquid Detergents
Formulations for Mechanical Dishwasher
Hand Washing Liquid Detergent
Miscellaneous Cleaners
Textile Scouring Paste
Degumming Paste for Wool
Liquid Cleaners for Hard Surface
Window Panes Cleaning Liquid
Dry Cleaning Detergent
Process

(C) Detergent (Nirma Type)

Formulations for the Nirma Type Detergent Powder
List of Plant and Machinery
Raw Materials Required/Month

(D) Detergent Cake

Manufacturing Process for Detergent Cake Basis 1 TPD

1. Sulfonation of Alkyl Benzene
2. Separation Step
3. Neutralization Stop
4. Mixing of Ingredients
5. Concentration of Slurry
6. Making of Cake
7. Packing
8. Despatching

List of Plant and Machinery

Raw Materials Required per day

15. FORMULATING LIQUID DETERGENTS

Requisites of Surfactants for Formulating Liquid Detergents

Surfactants Most Commonly Used

Builders

Viscosity Controllers

Other Ingredients

Household Liquid Detergents For Laundering

Heavy Duty

Typical Formulations

Process

Light Duty : (for Silk, Wool etc.)

Shampoos

Rug Cleaning Liquid Detergent Formulations

A Recommended Formulation

16. PHENYL

Uses

Properties

Manufacturing Process

17. FLOOR CLEANER

Composition of Floor Cleaner

Uses of Floor Cleaner

Raw Material Required for Floor Cleaner

Manufacturing Process of Floor Cleaner

Process Flow Diagram of Floor Cleaner

18. TOILET CLEANER

Properties

Features

Formulations of Toilet Cleaner

Manufacturing Process of Toilet Cleaner

Process Flow Diagram of Toilet Cleaner

19. MOSQUITO COILS

Uses and Application

Properties

Basic Raw Material

Manufacturing Process

Process Flow Diagram

20. NAPHTHALENE BALLS

Uses & Application

Properties

Manufacturing Process

Process Flow Diagram

21. AIR FRESHENER (ODONIL TYPE)

Properties

Uses and Applications

Formulation for Preparing Odonil Type Solid Deodorant Cake

Manufacturing Process

Process Flow Diagram

22. LIQUID HAND WASH AND SOAPS

Method of Manufacture

Raw Material Required

23. HAND SANITIZER

Physical and Chemical Properties

Ingredients

Uses

Formulation of Herbal Hand Sanitizer

Manufacturing Process

24. AEROSOLS-WATER AND OIL BASED

INSECTICIDE (Flies, Mosquitoes Insect and Cockroach Killer Spray)

Aerosol Container

Formulation of Insecticide Aerosols

Oil-Based Aerosol (OBA)

Water-Based Aerosols (WBA)

Alcohol-Based Aerosol

Filling Process of Oil-based Insecticide Aerosols (U-t-C)

The Production Process of Oil-Based Insecticide Aerosol

The Preparation of Concentrate

The Preparation of Diluent Solution

Filtration

Filling Process of Water-Based Insecticide Aerosols (T-t-V method)

Filling Process of Water-Based Insecticide Aerosols (U-t-C)

Instruction of Process

A. Procedures of Water-Based Aerosols

B. Procedures of Oil-Based Aerosols

C. Aerosol Production Line

Water-Based Aerosol Insecticide Formulation

The Biological Efficacy of Typical Formulation

FE Insecticide Aerosols

A. Features

B. Composition and the Physical Feature

C. Comparison of Efficacy to Insects Between FE and Other Knock Down Agent

Insecticide Aerosols for Special Uses

25. ECOMARK CRITERIA FOR SOAPS &

DETERGENTS

A. Toilet Soaps

1. General Requirements

2. Product Specific Requirements

B. Detergents

1. General Requirements

2. Product Specific Requirements

3. General Requirements

26. PLANT LAYOUT

27. PROCESS FLOW CHART AND DIAGRAM

28. RAW MATERIAL SUPPLIERS LIST

29. PHOTOGRAPHS OF MACHINERY WITH SUPPLIER'S CONTACT DETAILS 378

Liquid Soap Making Machine

Three Roll Mill

Blender

Heat Exchanger

Plodder

Centrifuge

Flash Tank

Water Strainer

Cyclone Separator

Vaccum Pump

Hammer Mill

Jacketed Kettle

Condenser

Storage Tank

Steam Heater

Agitator

Soap Packing Machine

Transfer Pump

Hopper

Spray Dryer

Pulverizer Machine

Washing Powder Making Machinery

Bath Soap Making Machine

Soaps Wrapping Machine

Detergent Cake Making Machine

Manual Soap Cutter

Soap Extruders

Soap Mixer

Soap Presses
Soap Crutcher
Soap Flaker
Detergent Making Machine
Hand Wash Liquid Soap Making Machine
Ribbon Blender
Cage Mill
Automatic Production Line for High Laundry Detergent Filling and Capping
Soap Finishing Line
Canned Fresh Air Filling Machine Assembly Line 2800E
Air Filling Machine 1600D1
Aerosol Filling Machines Automatic Single Platform 2800A
Aerosol Filling Machines
Aerosol Contract Filling Machine
Aerosol Filling Plant
Aerosol Filling Equipment With 5 in 1 Function 1600C
Toilet Soap Line
Laundry Soap Making Process Chart
Soap Production Line Machine
Soap Production Line Plant
Soap Making Line Machinery Soap Production Line

About Niir

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