PROFITABLE SMALL SCALE MANUFACTURE OF SOAPS & DETERGENTS

SOAP INDUSTRIES RAW MATERIALS

Beginning
Soaps Raw Materials
Builders
Perfumes
Optical Brighteners
Special Soaps Intergredients

SOAPS MANUFACTURE ON TINY SCALE

Beginning
Manufacturing Process
Cold Process
Semi Boiled Process
Grained Soap Manufacturing
Washing Soaps Manufacturing
Toilet Soaps Manufacturing

EQUIPMENTS FOR TINY/COTTAGE SCALE SOAP INDUSTRY

Soap Boiling Pans
Soap Crutcher
Soap Frames
Soap Cutting Machines
Soap Stamping Machine
Soap Milling Machine
Soap Mixing Machine
Soap Chipping Machine
Soap Plodder

SOAP FROM NON-EDIBLE OILS

Beginning
Grained Soap Preparation
Final Soap Making

SOAP FROM CRUDE SOAP STOCK

Beginning
Composition of Crude Soap Stock
Characteristics of Soap Stock
Manufacturing Method

SOAP FROM MIXED FATTY ACID

Beginning
Manufacturing Method
SOAPS MANUFACTURING IN MEDIUM & LARGE SCALE SECTOR

Beginning
Pre-Treatment of Oils & Fats
Soap Manufacturing by Full Boiled Process
Washing of Soap
Bleaching of Soap

LAUNDRY SOAP MANUFACTURING

Crutching
Soap Cooling
Cutting, Stamping & Packing

TOILET SOAP MANUFACTURING

Cooling
Drying
Mixing
Milling
Plodding
Finishing
Recovery of Glycerine
Pre Treatment & Evaporation of Spent Lye
Pre-Treatment & Evaporation of Sweet Water
Distillation of Crude Glycerine
Schematic Diagram of Crude Glycerine Distillation Plant

SOAP MANUFACTURING FROM FATTY ACIDS

Caustic Soda Process
Schematic Diagram for Continuous Vacuum Distillation Plant
Soda Ash Process
Dry Cleaning Soaps
Liquid Soaps
Medicated Soaps

MANUFACTURING OF TRANSPARENT SOAPS

Beginning
Manufacturing Method with Composition

MANUFACTURING OF LIQUID SOAPS

Beginning
Raw Materials
Manufacturing Process
Formulation for Liquid Soap

MANUFACTURING OF SOFT SOAPS
MANUFACTURING OF MEDICATED SOAPS

Beginning
Surgical Soap
Carbolic Soap
Sulfur Soap

MANUFACTURING OF SHAVING SOAPS

Beginning
Soap Base Manufacturing
Manufacture of Shaving Soaps
Formula
Rancidity in Shaving Soaps

MANUFACTURING OF SHAVING CREAMS

Beginning
Raw Materials
Formulations for Shaving Creams
Process of Manufacture

SYNTHETIC DETERGENT POWDERS

Beginnings
Manufacturing Process
Compounding of Ingredients
Manufacturing Method
Adsorption & Drum Drying
Combined Neutralization & Adsorption
Spray Mixer Process
Fluid Bed Agglomerator

MANUFACTURING OF SPRAY DRIED POWDER

Beginning
Spray Drying
Manufacture of Spray Dried Detergent Powder
Schematic Diagram of Continuous
Spray Process in Synthetic Detergent Plant
Formulations of Detergent Powders
Floor Washing Compound
Various Formulae

ENZYME DETERGENTS MANUFACTURING
PLANT & MACHINERY FOR SMALL SCALE DETERGENTS CAKES MANUFACTURE

Kneader
Milling Machine
Plodder
Bar Cutter or Billet Cutter
Embossing or Stamping Machine
Pulverizer

TESTING & ANALYSIS

Beginning
Tests for oils & fats
Moisture Determination
Test for free Fatty Acids
Test for Impurities
Test for Unsaponifiable Matter
Test for Titre
The Iodine Number
The Saponification Number
Melting Point of Fats
Acid Number
Acetyl Value
Specific Gravity of Oils
Rancidity Test

DETERMINATION OF PHYSICAL CHARACTERISTICS OF DETERGENTS

Density of Power Detergents
Particle Size of Powdered Detergents
pH & Alkalinity
Free Alkalinity
Viscosity

LAUNDRY SOAP MANUFACTURING & TECHNOLOGY

The full Boiled Process
Saponification (First Brine Change)
Caution
Graining the Pan
The Second Brine Change
The Rosin Change
Glycerine Content of Lyes & Soap
The Strong Changes
The First Strong Changes
The Second Strong Changes
The Fitting Operation
Effect of Dilution on the Fit
Cleansing of the Pan
Incorporation of filler
Returning Scrap Soap to Process
Filling Soap with Alkaline Silicale
Diagram of Laundry Soap Manufacture by the Full Boiled Process
Quantitative Data for Silicate Filled Soaps

TOILET SOAP MANUFACTURE

Milled Soaps
Selection of Raw Material Stock
Stock Soaps for White & Coloured Soaps
Stock Soaps for Cream, Yellow & Brown Soaps
Manufacturing Process
Incorporation of Perfume & Colouring Matter
Milling & Plodding of Toilet Soaps
Picture of Soap Amalgamator
Working Principle of a Granite Soap Mill
Picture of Soap Plodder
Layout for Milling Operations
List of Machinery & Equipments
Colouring Materials for Toilet Soaps
Some Typical Formulations of Milled Toilet Soaps
Elder Flower Soap
Patchouli Soap
Heliotrope Soap
Canga Soap
Jockey Club Soap
White Rose Soap
Rose Soap
Borax Soap
Defects in Milled Soaps
Rancidity in Toilet Soaps
Cracking in Toilet Soaps
Dry Spect in Toilet Soaps
Manufacture of Toilet Soaps by Remeling
Process of Manufacture
Formulations for Remelted Soap
Almond Soap
Camphor Soap
Bouquet Soap
Heliotrope Soap
Windsor Soap (Old Brown)

EQUIPMENT & MACHINERY FOR SMALL SCALE SOAP MANUFACTURE

Soap Boiling Kettles of Pans
Diagram of Soap Kettle
Crutchers
Kettle with Open & Closed Coils
Diagram of Crutcher
Soap Frames
Diagram of Soap Frame
Stabbing of Soap
Diagrams of Slabber & Power Slabber
Cutting Tables
Diagrams of Cutting Table and Cutter & Stamper
Diagram of Power Cutting Table
Diagram of Soap Dryer
Soap Presses
Drying of Soaps
Soap Mill
Three Roll Toilet Soap Mill
Diagram of Amalgamator
Diagram of Toilet Soap Mill
Diagram of Plodder & Roller Board
Cake Cutters
Soap Presses
Diagram of Foot Press & Soap Stamping Press

PROJECT PROFILES

DETERGENT WASHING POWDER (ARIAL TYPE)

Plant Capacity
Land & Building
Plant & Machinery
Fixed Capital
Raw Materials
Total Capital Investment
Turn Over
Profit Sales Ratio
Rate of Return
Break Even Point (B.E.P.)

ACID SLURRY (L.A.B.S.)

Plant Capacity
Land & Building
Plant & Machinery
Fixed Capital
Raw Materials
Total Capital Investment
Turn Over
Profit Sales Ratio
Rate of Return
Break Even Point (B.E.P.)

DETERGENT CAKE & POWDER

Plant Capacity
Land & Building
Plant & Machinery
Fixed Capital
Raw Materials
Total Capital Investment
Turn Over
Profit Sales Ratio
Rate of Return
Break Even Point (B.E.P.)

LAUNDRY & DRYCLEANER

Plant Capacity
Land & Building
Plant & Machinery
Fixed Capital
Raw Materials
Total Capital Investment
Turn Over
Profit Sales Ratio
Rate of Return
Break Even Point (B.E.P.)

LIQUID SOAP

Plant Capacity
Land & Building
Plant & Machinery
Fixed Capital
Raw Materials
Total Capital Investment
Turn Over
Profit Sales Ratio
Rate of Return
Break Even Point (B.E.P.)

DETERGENT POWDER (NIRMA TYPE)

Plant Capacity
Land & Building
Plant & Machinery
Fixed Capital
Raw Materials
Total Capital Investment
Turn Over
Profit Sales Ratio
Rate of Return
Break Even Point (B.E.P.)

NEROL LAUNDRY SOAP

Plant Capacity
Land & Building
Plant & Machinery
Fixed Capital
Raw Materials
Total Capital Investment
Turn Over
Profit Sales Ratio
Rate of Return
Break Even Point (B.E.P.)

DETERGENT PASTE (CONCENTRATE)

Plant Capacity
Land & Building
Plant & Machinery
Fixed Capital
Raw Materials
Total Capital Investment
Turn Over
Profit Sales Ratio
Rate of Return
Break Even Point (B.E.P.)

SOAP INDUSTRY (SOAP FROM SOAP STOCK)

Plant Capacity
Land & Building
Plant & Machinery
Fixed Capital
Raw Materials
Total Capital Investment
Turn Over
Profit Sales Ratio
Rate of Return
Break Even Point (B.E.P.)

TOILET SOAP

Plant Capacity
Land & Building
Plant & Machinery
Fixed Capital
Raw Materials
Total Capital Investment
Turn Over
Profit Sales Ratio
Rate of Return
Break Even Point (B.E.P.)

ZEOLITE-A (FOR DETERGENT)

Plant Capacity
Land & Building
Plant & Machinery
Fixed Capital
Raw Materials
Total Capital Investment
Turn Over
Profit Sales Ratio
Rate of Return
Break Even Point (B.E.P.)

CLEANING POWDER (VIM TYPE)

Plant Capacity
Land & Building
Plant & Machinery
Fixed Capital
Raw Materials
Total Capital Investment
Turn Over
Profit Sales Ratio
Rate of Return
Break Even Point (B.E.P.)

LIQUID DETERGENTS FOR WOOL

Plant Capacity
Land & Building
Plant & Machinery
Fixed Capital
Raw Materials
Total Capital Investment
Turn Over
Profit Sales Ratio
Rate of Return
Break Even Point (B.E.P.)

DETERGENT PASTE (TEXTILE GRADE)

Plant Capacity
Land & Building
Plant & Machinery
Fixed Capital
Raw Materials
Total Capital Investment
Turn Over
Profit Sales Ratio
Rate of Return
Break Even Point (B.E.P.)

SUPPLIERS AND MANUFACTURERS OF RAW MATERIALS

Fatty Acid
Talc
Boric Acid
Kaolin
Caustic Soda Lye
Toluene
Borax
Enzymes
Sodium Silicate
Sodium Carboxy Methyl Cellulose
Soda Ash
Castor Oil
Sodium Sulphate
Zeolite
Pine Oil
Rosin
Sodium Bicarbonate
Soap Noodles
Castor Oil Fatty Acids
Clycerine
Stearic Acid
Hard Oil
Acid Slurry
L.A.B.
Fragrances/Perfumes
Soaps Stone
Packaging Bags
Packaging Materials
For all Range of Soap & Detergent
Raw Materials

SUPPLIERS/MANUFACTURERS OF PLANT & MACHINERY FOR SOAP & DETERGENTS

Complete Plant Suppliers
Ribbon Blenders/Mixers
Automatic Pouch Filling Machine
Pumps
Storage Tank/Reaction Vessels
Dryer
Testing Equipments
Agitators
Pulverisers
Boiler

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