Complete Technology Book on Detergents with Formulations (Detergent Cake, Dishwashing Detergents, Liquid & Paste Detergents, Enzyme Detergents, Cleaning Powder & Spray Dried Washing Powder)


Product Description

TYPES AND METHODOLOGY OF DETERGENTS

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Heavy duty Liquid Detergent
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Plodder
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Pulverizer

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DETERGENET CAKE FORMULAE

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Slurry Concentration
Cake Formation
Packing
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Formulae for All Purpose Liquid Cleaners

DISH WASHING AND OTHER LIQUID DETERGENTS

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Process of Manufacture
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Liquid Cleansers for Hard Surface
Formulae for Liquid Cleansers
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Process of Manufacture

TECHNOLOGY OF DISH WASHING DETERGENTS

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Navy Specification
Machine Dish Washing Compounds
Formulations
General Purpose Cleansers
formulations
More Specialized Cleansing Compounds
Metal Cleaners
Aluminium Cleaner
formulations
Laundry Compounds
Formulations

COMMERCIAL GRADE DETERGENTS

Detergent builders Introduction
Carbonates
Phosphates
Silicates
Oxygen Releasing Compounds
Other additives
Whitening Agents
Enzymes
Insoluble Inorganic Filters
Colloidal Silica
Bleaching Agents
Stepwise Description of Commercial Detergent Powder Manufacture
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Formula for Preparation of Detergent Powder by Absorption
Process of Absorption
Absorption and Neutralization
Spray Drying (Pressure JET)
Process of Detergent Powder Manufacture
Drum Drying Process
Flammability
Prevention of Soil Deposition
Wetting Activity
Cleaning
Properties Based on Concentration
Skin Irritation

SPRAY DRYED HOUSEHOLD HAND WASHING POWDER MANUFACTURE

Introduction
Foam of Detergent
Anionic Detergents
Non-Ionic Detergent
Detergent Foam
Formula Household Detergents
Heavy Duty Laundering
Washing formulations for detergents of USA and Europe no. 2 & 3
Formula No. 2 and 3 for heavy duty Detergents
Formulae for Spray Dryed heavy Duty Household Handwashing Powder
Formulae
Formula for Heavy duty fully Automatic Washing Machine
Formula No. 6
Formulae for Detergent Powder based on Absorpton and Neutralization
Low Foaming Machine Powder for Soft Water Areas Mix Together with warming to 45 Dec C
Formulae
Process of Manufacture
Low foaming Maching powder for Soft water using Ready Made Soap Powder Formulae
Formulae
Spray Dried Household Low Foaming Laundry Powders
Formulae
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Formulae

Heavy duty liquid detergent with controlled foam

Procedure

process of Heavy duty detergent Foam

Light duty household liquid detergent

Formula Lotions Type Light Duty Liquid Detergent

Formula process of Manufacture and Application

Light Duty Liquid Detergent Formulae

Formulae

Household fine wash spray dried powder formulae

Formulae

Detergents for General Use

Spray liquid general purpose detergent powder formulae

General purpose detergent powder formula

Formula Non ionic surfactants

ANIONIC DETERGENTS

Manufacturing Process

Formulations (Paste)

Formula No. 1: 20% Liquid Detergent Paste

Formulation

Process

DETERGENT WASHING POWDER (ARIEL TYPE)

Higher Grade/Quality Arieltype Detergent Powder

Formulation

Ariel Detergent (Higher Grade)

Formulation

Process

Plant Economics

Plant & Machinery

Fixed Capital

Raw Materials

Total Working Capital/Month

Total Capital Investment

Turn Over/Annum

SYNTHETIC DETERGENT (BLUE POWDER)

Formulation for Blue Washing Powder

List of Conventional Builders & Additives

Process of Manufacture

Compounding of Ingredients
Process of Manufacture
The Spray Drying Process
Atomization
Treatment of the Powder after the Tower
Plant Economics
Plant & Machinery
Fixed Capital
Raw Material
Total working capital/Month
Total capital investment
Turn over/annum

DETERGENT CAKE (NIRMA TYPE)

Detergent Cake Formula and its Manufacture
Formulation
Formulation of Detergent Cakes used
Plant Economics
Plant & Machinery
Fixed Capital
Raw Material
Total working capital/Month
Total capital investment
Turn over/annum

CLEANING POWDER

Manufacturing Process
Formulations
Plant Economics
Plant & Machinery
Fixed Capital
Raw Material
Total working capital/Month
Total capital investment
Turn over/annum

DETERGENT CAKE AND POWDER

Detergent Cake Formula and its Manufacture
Formulation
Ingredients
Manufacturing Process
Starting Materials for Organic Compound
Basis 230 Per Day
Process of Manufacture of Synthetic Detergent Powder
LAUNDRY AND DRY CLEANERS

Laundering Process
Plant Economics
Plant & Machinery
Fixed Capital
Raw Material
Total working capital/Month
Total capital investment
Turn over/annum

LIQUID TOILET CLEANER (HARPIC TYPE)

Formulation of Liquidtoilet Cleaner (Harpictype)
Linear alkyl benzene sulphonic acid
process of Manufacture of Liquidtoilet Cleaner (Harpictype)
Plant Economics
Plant & Machinery
Fixed Capital
Raw Material
Total working capital/Month
Total capital investment
Turn over/annum

LIQUID DETERGENTS FOR WOOL

Manufacturing Process
Formulations for Liquid Detergent for Wool, Cold Water Wool Detergents
Formulae
Plant Economics
Plant & Machinery
Fixed Capital
Raw Material
Total working capital/Month
Total capital investment
Turn over/annum

NIRMA TYPE DETERGENT POWDER
Process of Manufacture
Plant Economics
Plant & Machinery
Fixed Capital
Raw Material
Total working capital/Month
Total capital investment
Turn over/annum

NON IONIC LIQUID DETERGENTS

Formulation
Heavy Duty Liquid Detergent
Formulae
process of Manufacture

DETERGENT PASTE (TEXTILE GRADE) MANUFACTURE

Formulation of Detergent Paste (Textile Grade)
40% Detergent Paste
Formula No. 1
20% Detergent Paste
Formula No. 2
Manufacturing Process of Detergent Paste (Textile Grade)
Plant Economics
Plant & Machinery
Fixed Capital
Raw Material
Total working capital/Month
Total capital investment
Turn over/annum

DETERGENT POWDER (SPRAY DRIED)

Formulation
Typical Formulation Selected for the process
The spray drying process
General

ZEOLITES (DETERGENT GRADE)

Manufacturing Process
Material Balance for Zeolite-A Production (By Hydrogel Process)
Raw Materials Require in Kgs
Gel Composition (Mol. Ratio)
Plant Economics
DETERGENT WASHING POWDER (SURF EXCEL TYPE)

Surf Excel Type Detergent Powder
Formulation
Process
Plant Economics
Plant & Machinery
Fixed Capital
Raw Material
Total working capital/Month
Total capital investment
Turn over/annum

DETERGENT POWDER PLANTS DRY MIX PROCESS

Manufacturing Process
basic Raw Materials
Man Power required
Electricity Required
Area required (for plant and machinery)
Water Required (for Production Purpose)
Effluents

DETERGENT CAKE MANUFACTURING WITH FORMULAE

Capacities Available
product
Manufacturing process
Raw material
Packing material
Manpower required
water consumption
Effluents
Area requirement
Electricity requirement