

Herbal Soaps & Detergents Handbook

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The use of herbs for medicinal and cosmetic purpose goes back to the ancient times. The emphasis at the present hour has been laid on the spectacular growth of the herbal and ayurvedic products. The demand in past is found to have increased with increase in number of middle class population. People are now a days very much aware of the ingredients in cosmetic products, the benefits of plant products and the harmful effects of chemical ingredients. The presence of artificial and chemical ingredients in cosmetic products has made people to rethink about suitable alternatives to suit their personal care regime. The herbal products have finally made their appearance in packaged form in the domestic markets, as cosmetics and personal care preparation such as soaps, shampoos, detergent bars, liquid soaps, liquid detergents, etc. These products play a vital role in our sense of well being and quality of life. The herbal soaps and detergents directly influence our emotions and can trigger moods. These creations not only protect the skin from harmful sun radiations but also leave behind a pleasant fragrance. Due to the increasing awareness and importance of cleanliness and healthiness, the use of herbal products is also increasing. Future demand for herbal products depends upon the per capita rate of consumption and segment of population using these products. This handbook provides detailed information on the manufacturing process of herbal soaps and detergents. This book contains numerous formulae, manufacturing process of different type of soaps and detergents which are used in day to day life. The book is an unique compilation and will be very helpful to all its readers, new entrepreneurs, professionals, beauty care product manufacturers, existing units, technical institutions, etc.

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Raw Materials : Herbal Products

Acacia arabica

A. indica Benth

Parts Used : Bark, gum, leaves, seeds, pods.

Acalypha Indica

(N.O. - Euphorbiaceae)

ANDROPOGON MURICATUS. Retz. or A. Squarrosus

Angelica (Angelica archangelica)

Anise (Pimpinella anisum)

Associated Oil

AZADIRACHTA INDICA

Basil (Ocimum basilicum)

BALSAMODENDRON MUKUL, HOOK. or B. agollocha

Parts Used - Gum

BALSAMODENDRON MYRRHA

(N.O. Burseraceae)

Parts Used : Gum from the bark of the tree

Bay (Laurus nobilis)

Associated Oils

Benzoin (*Styrax benzoin*)
Associated Oils
Bergamot (*Citrus bergamia*)
Birch (*Betula lenta*)
Associated Oils
Calendula (*Calendula Officinalis*)
Associated Oil
Caraway (*Carum carvi*)
Cardamom (*Elettaria cardamomum*)
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Caulophyllum Inophyllum
Cedarwood (*Cedrus species*)
Cinnamon (*Cinnamomum zeylanicum*)
Associated Oils
Clary Sage (*Salvia sclarea*)
Associated Oils
Celery (*Apium graveolens*)
Chamomile, German
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Associated Oil
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Associated Oils
Associated Oils
FICUS RELIGIOSA LINN
(N.O. Moraceae)
Parts Used : Bark, Fruit, Root
Ayurvedic Properties
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Associated Oils
Geranium (*Pelargonium graveolens*)
Associated Oil
Ginger (*Zingiber officinale*)
Associated Oil
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 Jasmine
 (Jasminum officinale and J. grandiflorum)
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 Associated Oils
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 Associated Oils
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 Associated Oils
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 Associated Oil
 Associated Oils
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 Associated Oil
 Mimosa (Acacia decurrens var. dealbata)
 Associated Oil
 Myrrh (Commiphora myrrha)
 Associated Oils
 Myrtle (Myrtus communis)
 Oakmoss (Evernia prunastri)
 Associated Oil
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 Sage (Salvia officinalis)
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Anti-Dandruff Sesame Preparation
Anti-Dandruff Sesame Preparation
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Technology of Manufacturing Herbal Synthetic Detergents

Performance Criteria

Washing habits

Quality of water

Soiling

White vs. coloured clothes

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Shelf life

Pricing

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(A good quality household detergent granules)

For 1000 kg. yield

Surfactants

Builders

Additives

A TYPICAL BATCH USING ACID SLURRY OF

UNSEPARATED SPENT ACID

For 1000 kg. of finished detergent

Surfactant

Builders

Additives

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General Purpose Powder

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Heavy-duty Detergent Powder

Light-duty Detergent Powder

General Formula for Detergent Powders

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Active detergent

Sodium tripolyphosphate

Talc

Starch

China clay

Calcite

Soda ash

Sodium sulphate

Sodium silicate

Coconut mono ethanolamide

Soapstock

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Barley

Carrot

Castor Oil

Clove

Cucumber

Dhania

Egg

Honey

Lavender

Lemon

Orange

Palak

Peach

Potato

Pudina

Rose

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Saunf

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Sulfation

Sulfonation

SULFATION OF INDIVIDUAL OILS

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