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 personnel 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)

CITRUS MEDICA, Linm
(N.O.—Rutaceae)
Carrot Seed (Daucus carota)
Caulophyllum Inophyllum
Cedarwood (Cedrus species)
Cinnamon (Cinnamomum zeylanicum)
Associated Oils
Clary Sage (Salvia sclarea)
Associated Oils
Celery (Apium graveolens)
Chamomile, German
(Matricaria recutita, formerly M. chamomilla)
Associated Oils
Coriander (Coriandrum sativum)
Curculigo orchioides Gaertn
(N.O.—Amaryllidaceae)
Ayurvedic Properties
CURCUMA LONGA, Linn
(N.O.—Scitaminaceae)
Associated Oil
Cypress (Cupressus sempervirens)
Eucalyptus (Eucalyptus globulus)
Associated Oils
Fennel (Foeniculum vulgare)
Associated Oil
Fir (Abies alba and other species)
Associated Oils
Associated Oils
FICUS RELIGIOSA LINN
(N.O. Moraceae)
Parts Used: Bark, Fruit, Root
Ayurvedic Properties
Galbanum (Ferula galbaniflua)
Associated Oils
Geranium (Pelargonium graveolens)
Associated Oil
Ginger (Zingiber officinale)
Associated Oil
Helichrysum (Helichrysum angustifolium)
Hyssop (Hyssopus officinalis)
Associated Oil
Inula, Sweet (Inula graveolens, or I. odorata)
Associated Oil
HEMIDESMUS INDICUS, R. BR.,
Asclepias pseudosarsa, var. latifolia
(N.O. Asclepiadaceae)
Jasmine
(Jasminum officinale and J. grandiflorum)
Associated Oil
Juniper (Juniperus communis)
Associated Oils
Labdanum (Cistus labdaniferus)
Associated Oils
Lavender (Lavandula angustifolia, previously L.
vera and L. Officinalis)
Associated Oils
Lemon (Citrus limon)
Associated Oil
Associated Oils
Lemongrass Cochin (C. flexuosus)
Grown in India primarily for isolation of citral
Lovage (Levisticum officinale)
Marjoram
(Origanum marjorana or Marjorana hortensis)
Associated Oils
Melissa (Melissa Officinalis)
Associated Oil
Mimosa (Acacia decurrens var. dealbata)
Associated Oil
Myrrh (Commiphora myrrha)
Associated Oils
Myrtle (Myrtus communis)
Oakmoss (Evernia prunastri)
Associated Oil
Orange (Citrus sinensis)
Associated Oils
Orange Blossom (Neroli)
(Citrus aurantium var. amara)
Associated Oils
Patchouli (Pogostemon cablin)
Pepper, Black (Piper nigrum)
Associated Oils
Cubeb (Piper cubeba)—A litsea substitute
Peppermint (Mentha piperita)
Associated Oils
PSORALEA CORYLIFOLIA LINN.
(N.O. Papilionaceae, Fabaceae)
Parts Used: Roots, leaves, fruits, seeds
Ayurvedic Properties
Ravensare (Ravensara aromatica)
Rose (Rosa damascena, R. gallica, and others)  
Associated Oils
Rosemary (Rosmarinus officinalis)  
Associated Oils
Rosewood (Aniba rosaeodora)  
Sage (Salvia officinalis)  
Sandalwood (Santalum album)  
Associated Oil
Spikenard (Nardostachys jatamansi)  
Associated Oils
SMILAX CHINA  
(N.O. - Liliaceae)
TERMINALIA CHEBULA RETZ.  
(N.O. Combretaceae)
Parts Used : Fruit
Ayurvedic Properties
TERMINALIA BELERICA ROXB  
(N.O. Combretaceae)
Parts Used : Fruit (unripe and ripe)
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Intestinal Worms
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Thyme (Thymus vulgaris)  
Associated Oils
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Tuberose (Polianthes tuberosa)  
Vanilla (Vanilla planifolia)  
Vetiver (Vetiveria zizanoides)  
Violet (Viola odorata)  
Associated Oil
Yarrow (Achillea millefolium)  
Ylang-Ylang (Canaga odorata)  
Associated Oils

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Perfumes as formulated below
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Perfume Mixture
Rose Soap Type
Perfume Mixture
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Sandalwood Shampoo
Neem Shampoo
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Barley Hair Rinse
Chamomile Hair Rinse
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Rosemary Hair Rinse
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Scouring Powders Including Kitchen Cleaners
Abrasives
Surfactants
Other Chemicals
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General-purpose Spray-dried Powder
General Purpose Powder
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Industrial Sanitary Cleaner
General Cleaning Compound
Dishwashing Compound
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Sodium tripolyphosphate
Talc
Starch
China clay
Calcite
Soda ash
Sodium sulphate
Sodium silicate
Coconut mono ethanolamide
Soapstock
Dicalcium phosphate
Rosin
Titanium dioxide
Colour
Fluorescer
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TYPICAL FORMULATIONS

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Heavy-duty Liquid Detergent with 'Controlled
Opaque Lotion-type Light-duty Liquid Detergent
Light-duty Household Liquid Detergent

40% Detergent Paste
20 % Detergent Paste

Metal Degreasing Liquid Detergent

General-purpose Solvent-based Detergent

Textile Scouring Paste

Textile Degumming Detergent Paste

Low Foaming Liquid Detergents

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Household Liquid Detergent Cleaner

Light-duty Clear Detergent Liquids

Light-duty Liquid Detergent Lotion

Heavy-duty Liquid Detergent

Scheme for the Manufacture of Liquid
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Land and Building

Projecting Cost

Plant and Machinery

Labour and Staff

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Utilities & Factory Overheads

Working Capital Requirements (3 months basis)

Total Capital Investment

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Apparent density, g/ml = 40/V
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Procedure
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Procedure
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Barley
Carrot
Castor Oil
Clove
Cucumber
Dhania
Egg
Honey
Lavender
Lemon
Orange
Palak
Peach
Potato
Pudina
Rose
Sage
Salt
Saunf
Tea
Thyme
Tomato
Yoghurt

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About NIIR

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