

Liquid Soap Bases

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*Please Note, there is a \$10.00 minimum on all orders, excluding shipping and handling

Liquid Soap Bases

Anti-Bacterial Hand Soap



This concentrated and economical Anti-bacterial Liquid Soap effectively rinses away dirt and grease from every part of your body! It can be diluted at a rate of 1 part liquid soap to 4 parts water for foaming pump bottles. Add your own fragrance at a rate of .5% by weight to create your own unique product. It is easily dispensed into bottles or malibu tubes for hand soap or body wash. Its antibacterial agents kill germs as it softens and soothes your skin. Laboratory tests show that the effective ingredient in our Antibacterial Liquid Soap, triclosan, is effective against: gram-positive bacteria like staphylococcus and streptococcus; gram-negative bacteria such as E coli, pseudomonas, and salmonella. External use only. Do not take internally.

INCI: Deionized Water, Sodium Laureth Sulfate & Cocamidopropylbetain & Cocamide DEA & PEG 150 Distearate, Sodium C14-16 Olefin Sulfonate, Propylene Glycol, Triclosan, Alcohol, Diazolidinyl Urea & Iodopropynyl Butylcarbamate

Item #	Quantity	Price
82043-1	1 Gallon	\$15.95
82043-4	4 - 1 Gallons	\$54.00
82043-5	5 Gallons	\$65.00
82043-55	55 Gallons	\$577.50

Liquid Crystal Suspension Body Wash

This is a fun, easy, ready-to-use body wash/shampoo to which ingredients can be added for a cleansing product with excellent foaming and many creative possibilities. This product suspends mica, jojoba spheres and various scrubs as well as bubbles. **Directions:** Add cosmetic color or additives, if desired. Then add .5-1% fragrance. Pour into bottles.

Note: We recommend warming the base for better incorporation of fragrance and easier pouring into bottles. However, it is not mandatory to warm the base. Do not boil or overheat. Cool product with the top off of the bottle to prevent condensation. Product will re-thicken upon cooling. If the bubbles are not white, then too much color has been added to the formula. Your product will become thin if you use too much fragrance. Fragrance at 0.5% = 1/2 teaspoon per 16 ounces of base. Each fragrance will react differently in the base. Important: Test your formula in small quantities first to ensure you are achieving your desired outcome.

INCI Name: Aqua, Sodium Laureth Sulfate, Cocamidopropyl Betaine, Xanthan Gum, Phenoxyethanol, Methylparaben, Ethylparaben, Propylparaben, Butylparaben, Methylchloroisothiazolinone, Methylisothiazolinone, Magnesium chloride & Magnesium nitrate

Item #	Quantity	Price
82039-1	1 Gallon	\$16.95
82039-4	4 - 1 Gallons	\$57.80
82039-5	5 Gallons	\$69.00
82039-55	55 Gallons	\$613.25

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Organic Body Wash 81.9%

Stephenson This Organic Body Wash Base* not only helps protect the environment from intensive farming methods and chemical treatment of natural ingredients, but also passes these benefits directly to your skin. Stephenson Body Wash Base contains a natural liquid soap base derived from organic oils, blended with gentle surfactant & skin enhancing ingredients. This product simply requires the addition of fragrance and a thickening agent, such as salt. *Organic Body Wash base has organic certification by the Soil Association (UK) that states it contains 81.98% organic ingredients. Soil Association organic certification ensures the integrity of the products in relation to the environmental impact of their farming and the long-term sustainability of the crops. No chemical fertilizers or pesticides are permitted in the growing of the crop. The same stringent controls apply in the extraction and refining of the oils from the crop, for example no bleaching or chemical distillation is permitted. The organic liquid soap base that is used contains the natural glycerin from the organic oils, something that is often chemically removed as part of the refining and distillation process.

Product Features:

- Allows Production of an Organic Certified* body wash, if the converter/filler has organic certification.
- Has a natural clear to translucent pale yellow color.
- Contains a true liquid soap derived from Certified Organic sun flower and coconut oils.
- Fully formulated base that only requires the addition of fragrances, essential oils, or colors.
- Blended with gentle surfactants that are approved by the Soil Association(UK) to provide large quantities of creamy lather.
- Readily thickened, if required, by the addition of common salt (sodium chloride). To gain organic certification use salt tablets with no anti-caking agent.
- Contains organic glycerin and a skin re-fatting ingredient derived from the palm kernel to provide a pleasant skin feel.
- Vegetable Origin.

INCI List: Aqua, Organic Potassium Cocoate, Organic Potassium Oleate***, Lauryl Betain, Organic Glycerin, Benzyl Alcohol, Potassium Palm Kernelate, Palm Kernel Acid, Decyl Glucoside, Potassium Citrate

***Derived from Organic Sunflower Oil

Item #	Quantity	Price
82052-1	1 Gallon	\$23.50
82052-4	4x1 Gallons	\$90.00
82052-5	5 Gallons	\$100.00
82052-55	55 Gallons	\$852.50

Organic Liquid Castile Soap

Stephenson Our Pure Organic Vegetable Castile Liquid Soap is designed to serve as a multi-functional cleansing product, and is truly an all-natural product with excellent foaming. It can be used as a shampoo, a body wash, a mild hand cleanser, etc. This product should be used at full strength, it is not a concentrate. The product is a clear golden color and has a light olive oil aroma.

Organic Liquid Castile Soap: Some essential oils do not mix perfectly with a natural soap base. These may include lemon, lemongrass, clove, eucalyptus, and possibly others. Test carefully when using these oils. Orange oils and other essential oils may leave the mixture and float on top if too much is used. Warm and stir to get them back in. Wait 24 hours to check for separation. Skim excess from top if needed. Any oil-based or water-based herbal ingredient can potentially be used. Here are some guidelines for working with this product for best results.

Usage Guidelines:

- Gently stir the base while adding the other additives.
- Always test a small sample BEFORE moving on to larger amounts.
- Base and additives should be at about the same temperature.
- Always stir up from the bottom, and be sure the base is homogenous before adding other ingredients. Keep an eye out for layering within the liquid.
- Let mixture sit for at least 48 hours to check for separation.
- Readily thickened, if required, by the addition of common salt (sodium chloride). To gain organic certification use salt tablets with no anti-caking agent.

CTFA/INCI: Water, Coconut Oil, Virgin Olive Oil, Glycerin, Cellulose, Methylchloroithiazolinone, Methylisothiazolinone, Magnesium Chloride & Magnesium Nitrate

Item #	Quantity	Price
82034-1	1 Gallon	\$22.50
82034-4	4x1 Gallon	\$86.00
82034-5	5 Gallons	\$95.00
82034-55	55 Gallons	\$825.50

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Shampoo Concentrates

Each of the listed products is a concentrated blend of surfactants often used by major formulators of hair and body shampoos, hand cleaners and bubble baths. The key to these concentrates is for you to test various formulations to reach your desired product. Viscosity (or thickness) of the blend can be adjusted with the use of sodium chloride (salt) at low levels in some of the products. This can range from 0.5% to 4%-5%. Viscosity can also be adjusted by the concentration of blend in the finished product. See formulation for details.

Although the pH of the final product is often fine without any adjustment, we like to maintain a pH of 6.5 to 7.5. Things like water quality can effect the final pH. As an added note, we like to use soft or distilled water although this is not a must. The pH can be checked with a simple litmus or pH paper. Most often when pH must be adjusted, pH has to be adjusted downward. We most commonly use citric acid, in this case in very low levels (0.1%).

When adding essential oils, use them at a level of not more than 2% by weight. Levels of higher than 2% may cause the pH to fall. Add the oils to the concentrate prior to adding it to water. This helps solubilize the oil into the water.

Preservatives are a must if you anticipate long term storage. They are required often because of the additional products that you are adding or because of possible contamination during the mixing procedure. If you are using these products within 3 to 4 weeks of making them, preservatives may not be required. As with many products the selection of preservative is often up to the individual and what they feel safe with. Germaben II or Phenonip are just some of the preservatives that can be used as well as grapefruit seed extract at levels ranging from 0.5- 1%.

If you intend to market your products, always shelf test your product, that is, allow it to sit several months in a warm area to check on its stability. All ingredients must be listed on the label.

Liquid Crystal Concentrate



The Liquid Crystal System provides a simple way of producing a variety of Personal Care Cleansing Products of consistent quality. The use of one Liquid Crystal Concentrate plus Conditioning Additive allows you to efficiently and cost effectively manufacture a range of personal care cleansing products including: shower gels & body washes, shampoos, and bubble baths.

See Pages 5 & 6 for Formulation Information.

Item #	Quantity	Price
LiqCrystConc	1oz Sample	Free w/Order
82044-1	1 Gallon	\$23.95
82044-4	4 Gallons	\$86.00
82044-5	5 Gallons	\$105.00
82044-55	55 Gallons	\$907.50

Blend 213 -Shampoo & Bubble Bath Concentrate

This product is a concentrated base for bath products, bubble bath, hair & body shampoos and hand cleaners that is formulated to yield a high viscosity at a low use level. Viscosity can be adjusted with the addition of sodium chloride or by modification of the Blend 213/water ratio. Typically, viscosities as high as 12,000 cps may be achieved with a 20% dilution. The pH adjustment can be made with citric acid to the desired pH.

CTFA Designation: Sodium Laureth Sulfate & Cocamidopropyl Betaine & Cocamide DEA & PEG-150 Distearate

Item #	Quantity	Price
82003-1	1 Gallon	\$19.72
82003-5	5 Gallons	\$91.45
82003-55	55 Gallons	\$636.35

Blend NBB

This product is a versatile, mild shampoo concentrate. Originally formulated as a baby shampoo concentrate, its gentle formula is also ideally suited for premium shampoos. At 35% by weight dilution, it forms an excellent, easily rinsed baby shampoo. Premium shampoos may be formulated using Blend NBB at dilutions between 30% and 60% by weight, and thickened from 5000-10,000 cps. Fine upscale shampoos which remove styling product residues without drying hair may be produced by formulating with conditioning agents, such as panthenol, but even without additives these blends leave all hair types clean, soft and lustrous.

CTFA Designation: PEG-80 Sorbitan Laurate & Cocamidopropyl Betaine & Sodium Trideceth Sulfate & Glycerin & Disodium Lauroamphodiacetate & PEG-150 Distearate & Laureth-13 Carboxylate

Item #	Quantity	Price
82004-1	1 Gallon	\$19.62
82004-5	5 Gallons	\$91.25
82004-55	55 Gallons	\$666.05

Blend BBC -Bubble Bath Concentrate for Babies

This product is very mild surfactant blend containing Sodium Laureth Sulfate & Disodium Laureth Sulfosuccinate. The ratios of these two surfactants provide the highest foam volume with the greatest mildness. BBC is especially mild to skin and is recommended for bath products where skin mildness is of primary concern. Typical uses include children's bubble bath and mild shampoos.

CTFA Designation: Sodium Laureth Sulfate & Disodium Laureth Sulfosuccinate

Item #	Quantity	Price
82005-1	1 Gallon	\$15.45
82005-5	5 Gallons	\$70.12

Concentrate Sample Kit

The Chemistry Store now offers quart size sampler packages of any of these four blends. Upon ordering, please specify the two concentrates of your choice (Liquid Crystal Concentrate, Blend 213, Blend NBB, or Blend BBC).

Item #	Quantity	Price
2QtShampSamp	2 Quarts	\$15.00

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