



# Liquid Bases



# Introducing Liquid Bases

Stephenson offer a comprehensive range of liquid bases. From surfactant concentrates to certified sustainable and organic bases, for hair care, body care and liquid soap applications.

A number of our bases are RSPO or COSMOS certified, so you can rest assured on the quality and authenticity when formulating your personal care or domestic products.

All bases are simple to process and can easily be adapted with the addition of colour, fragrance or thickening solution to produce an array of premium quality personal care products including:

- » Multi-purpose soaps
- » Body washes
- » Hair care / Shampoo
- » Bath (Gels, bubble)
- » Hand care (Washes)
- » 3 in 1 application products





# The benefits of liquid bases

- » Easy to use
- » Great quality
- » Easily enhanced with the addition of fragrance, additives and colour
- » Versatile - can enhance production of soaps with colour or particles
- » Great fragrance lift
- » Moisturising properties
- » Excellent foaming and cleansing properties
- » A variety of liquid soap concentrates with a blend of surfactants
- » Customised formulations available

## Liquid product applications





# Discover the Liquid Range

Click image to view product information

Body Care Bases

Hair Care Bases

Multi-purpose Liquid Soap



005

# Liquid bases for face & body care

Created for use across a range of personal care applications including handwash, shower gel and bubble bath. Requiring the addition of colour, fragrance and additive. Stephenson Liquid Bases for face & bodycare are the perfect starting point for a range of retail products.





# 3 in 1 Body Wash

006

## Liquid body wash base

Create high-quality bubble bath, hand wash or shower gel products with ease using our 3 in 1 Body Wash base. Add colour, fragrance or other additives for a bespoke finish.



## Product characteristics

- » Perfect for creating a variety of cleansing products
- » Easy to use, pre-preserved and pre-thickened
- » Excellent foam and lather
- » Mild pH
- » A neutral odour enables excellent fragrance lift
- » Vegan, gluten free and cruelty free compliant

## Ingredients

- |                          |                    |                                   |
|--------------------------|--------------------|-----------------------------------|
| » Aqua                   | » pHenoxxyethanol  | » Sodium laureth sulfate          |
| » Citric acid            | » Polyquaternium-7 | » Tetrasodium glutamate diacetate |
| » Cocamidopropyl betaine | » Sodium benzoate  |                                   |
| » Glycerin               | » Sodium chloride  |                                   |



# Body Wash



007

## Liquid body wash base

Create high foaming organic body wash or shower gel with ease using the body wash base. This COSMOS certified base can be easily enhanced by adding organic essential oils to create bespoke products with high performance.



## Product characteristics

- » Perfect for making organic COSMOS certified body wash or shower gel | COSMOS Certification: 20.71% Organic CPAI
- » Contains organic sunflower and coconut oils
- » Rich and creamy lather
- » Free from SLS and SLES
- » Can be easily thickened and enhanced by addition of essential oils and fragrances
- » Vegan and cruelty free compliant

## Ingredients

- » Aqua
- » Benzyl alcohol
- » Decyl glucoside
- » Glycerin<sup>1</sup>
- » Lauryl betaine
- » Palm kernel acid
- » Potassium citrate
- » Potassium cocoate<sup>2</sup>
- » Potassium oleate<sup>3</sup>
- » Potassium palm kernelate

<sup>1</sup> Organic origin

<sup>2</sup> Derived from organic coconut oil

<sup>3</sup> Derived from organic sunflower oil



# Suspending Body Wash

008

## Liquid body care base

Create unique body cleansing products with evenly suspended particles and essential oils of your choice with this Suspending Bodywash base. Perfect for making a ready-to-sell body wash, shower gel or exfoliating cleanser.



## Product characteristics

- » Translucent liquid body wash base
- » Personalise by adding colour, fragrance and particles (e.g. cosmetic glitter, beads, poppy seeds)
- » Mild pH for gentle yet efficient cleansing
- » Pre-thickened
- » Vegan, gluten free and cruelty free compliant

## Ingredients

- » Aqua
- » Cocamidopropyl betaine
- » pHenoxyethanol
- » Sodium laureth sulfate
- » Xanthan gum



# Liquid bases for hair care

Created for use across all hair and personal care applications including body wash, shampoo and conditioners. Can be enhanced with the addition of colour, fragrance and other additives. Our haircare liquid bases are the perfect starting point for a range of retail products.





# Premium Hair & Body Wash

010

## Liquid body & hair care base

Create quality multi-purpose mild cleansing shampoos and body washes with the Premium Hair & Bodywash Base. This base is easy to use and pre-thickened and offers the highest clarity and pH neutral cleansing.



## Product characteristics

- » Easy to use pre-thickened and pre-preserved hair and body wash base
- » Ideal for producing premium shampoo, shower gel or body wash products
- » Luxurious foaming properties
- » Can be customised by adding colour, fragrance etc
- » Free from SLS and SLES
- » Vegan, gluten free and cruelty free compliant

## Ingredients

- » Aqua
- » Citric acid
- » Cocomidopropyl betaine
- » Lauric acid
- » Lauryl Glucoside
- » pHenoxyethanol
- » Polyquaternium-7
- » Sodium benzoate
- » Sodium chloride
- » Sodium laurate
- » Sodium lauroyl isethionate
- » Sodium lauroyl methyl isethionate
- » Sodium methyl isethionate
- » Trisodium ethylenediamine disuccinate
- » Zinc laurate



# Shampoo Base-MB



011

## Liquid hair care base

Create excellent organic COSMOS certified shampoo for all hair types using the Shampoo Base. This is an easy-to-use shampoo base and can be further customised to suit specific hair needs.



## Product characteristics

- » Organic COSMOS certified shampoo base | COSMOS certified: 34.0% Organic PPAI
- » Can be customised by addition of fragrance or essential oils
- » Fully formulated and pre-thickened
- » Free from SLS and SLES
- » Highly creamy lather
- » Vegan and cruelty free compliant

## Ingredients

- |   |                      |                   |
|---|----------------------|-------------------|
| » Aloe barbadensis (aloe vera) leaf juice | » Citric acid        | » pHenoxyethanol  |
| » Aqua                                    | » Decyl glucoside    | » Sodium chloride |
| » Benzoic acid                            | » Dehydroacetic acid | » Xanthan Gum     |
|   | » Lauryl betaine     |                   |



# Hair Conditioner-MB



012

## Liquid hair care base

Create organic COSMOS certified conditioner with an easy to use Hair Conditioner Base. Combine essential oils or other additives to create a unique hair conditioner for different hair types.



## Product characteristics

- » Organic COSMOS certified hair conditioner base
- » Made with Shea butter, Jojoba, Sunflower, Olive and Coconut oils
- » Easy to use, pre-thickened and fully formulated base
- » Enriched with nourishing emollients
- » Vegan and cruelty free compliant

## Ingredients

- » Aloe barbadensis (aloe vera) leaf juice powder<sup>1</sup>
- » Aqua
- » Benzoic acid
- » Betaine
- » Butyrospermum parkii (shea) butter
- » Cetearyl alcohol
- » Citric acid
- » Coco-glucoside
- » Cocos nucifera (coconut) oil<sup>1</sup>
- » Dehydroacetic acid
- » Helianthus annuus (sunflower) seed oil<sup>1</sup>
- » Lactic acid
- » Olea europaea (olive) fruit oil<sup>1</sup>
- » pHenoxxyethanol
- » Simmondsia chinensis (jojoba) seed oil
- » TocopHerol
- » Xanthan gum

<sup>1</sup> Certified organically grown ingredient



# Multi-purpose liquid soap bases

Specially designed to work across a range of household and personal care applications, this range of Multi-Purpose Liquid Soap Bases can be enhanced with fragrances, preservatives and easily thickened with the addition of salt.





# Liquid Crystal Concentrate

014

## Liquid body care base

Create market-ready shampoos, shower gels, bubble baths and liquid hand washes with Liquid Crystal Concentrate. This versatile base is simple to process giving customers the opportunity to create pH-neutral cleansing products.



## Product characteristics

- » Further dilution with water possible for desired concentration when making shampoos, shower gels or liquid hand washes
- » Pre-thickened but can be further thickened with a salt solution
- » A neutral odour provides excellent fragrance lift
- » Great foaming, look and feel can be enhanced by adding liquid pearl or a conditioning additive
- » pH neutral cleansing
- » Vegan, gluten free and cruelty free compliant

## Ingredients

- |                          |  |                          |
|--------------------------|--|--------------------------|
| » Aqua                   | » Magnesium nitrate                        | » Sodium chloride        |
| » Citric acid            | » Methylchloroisothiazolinone <sup>1</sup> | » Sodium laureth sulfate |
| » Cocamidopropyl betaine | » Methylisothiazolinone <sup>1</sup>       | » Tetrasodium EDTA       |
| » Cocamine oxide         | » Polyquaternium-7                         |                          |
| » Magnesium chloride     | » Propylene Glycol                         |                          |

<sup>1</sup>Total of 9.2 ppm active isothiazolinone within the mixture, ratio of MCIT:MIT is 3:1



# Liquid PK-SG



015

## Certified RSPO segregated

Make high quality sustainable hand and body wash products with ease using Liquid Soap PK-SG. This sustainable 100% RSPO SG certified liquid soap base offers great performance and can be further customised by adding certified essential oils.



## Product characteristics

- » Highly sustainable RSPO SG certified on-pack claim | Certificate No.BMT-RSPO-000008
- » Made with 100% RSPO SG certified sustainable Palm Kernel oil
- » Free from SLS and SLES
- » Unscented for excellent fragrance lift
- » Can be thickened through the use of rheology modifiers
- » Vegan, gluten free and cruelty free compliant

## Ingredients

- » Aqua
- » Citric acid
- » Glycerin<sup>1</sup>
- » Potassium citrate
- » Potassium palm kernelate<sup>2</sup>

<sup>1</sup> Made with 100% RSPO certified segregated sustainable palm kernel oil

<sup>2</sup> Derived from RSPO-SG palm kernel oil during the soap making process



# Liquid Soap 100

016

## Potassium Cocoate

Create organic hand and body cleansing products certified by the USDA NOP or COSMOS with Liquid Soap 100. This organic high pH base is made using coconut oil and offers high performance and foaming.



## Product characteristics

- » Perfect for creating a wide range of organic hand washes, body washes, shampoos etc
- » Can be diluted for a desired concentration
- » Unscented for excellent fragrance lift
- » High foaming
- » Allows for organic COSMOS / USDA NOP certification | USDA NOP Certification 77.59% organic ingredients | COSMOS Certification 33.8% organic CPAI, 34.6% CPAI
- » Vegan, gluten free and cruelty free compliant

## Ingredients

- » Aqua
- » Citric acid
- » Glycerin<sup>1</sup>
- » Potassium citrate
- » Potassium cocoate<sup>2</sup>

<sup>1</sup> Derived from coconut oils, during the soap making process

<sup>2</sup> Derived from organic oils



# Liquid Soap 101

017

## Coconut & olive oil liquid soap

Easily create a range of organic hand and body liquid soap products certified by USDA NOP or COSMOS with the Liquid Soap 101. This high foaming and pre-preserved base is made using organic coconut and olive oils and produces a wide range of organic hand soap, body washes, shampoos.



## Product characteristics

- » Made with organic coconut and olive oils
- » Can be diluted with water
- » Pre-thickened but further thickening possible with guar gum
- » High foaming
- » Allows for organic COSMOS / USDA NOP certification | USDA NOP Certification 77.59% organic ingredients | COSMOS Certification 33.8% organic CPAI, 34.6% CPAI
- » Vegan, gluten free and cruelty free compliant

## Ingredients

- » Aqua
- » Citric acid
- » Glycerin<sup>1</sup>
- » Potassium citrate
- » Potassium cocoate<sup>2</sup>
- » Potassium olivate<sup>2</sup>

<sup>1</sup> Derived from coconut oils, during the soap making process

<sup>2</sup> Derived from organic oils



# Liquid Soap 105

018

## Coconut & sunflower oil liquid soap

Easily create a range of COSMOS and USDA NOP certified organic hand and body washes with the Liquid Soap 105. This concentrated soap base can be further thickened and customised by addition of certified essential oils to create high demand consumer-ready products.



## Product characteristics

- » Made with organic coconut and high oleic sunflower oils
- » Unscented for excellent fragrance lift
- » Free from SLS and SLES
- » Suitable for bottles and foam dispensers
- » USDA NOP Certification - 75.49% organic ingredients | COSMOS certification: 23.0% organic CPAI, 24.45% CPAI
- » Vegan, gluten free and cruelty free compliant

## Ingredients

- » Aqua
- » Citric acid
- » Glycerin<sup>1</sup>
- » Potassium citrate
- » Potassium cocoate<sup>2</sup>
- » Potassium oleate<sup>3</sup>

<sup>1</sup> Organic origin

<sup>2</sup> Derived from organic coconut oil

<sup>3</sup> Derived from organic sunflower oil



# Packaging that suits your needs

## 5kg keg

Great for small production runs

## 25kg keg & 200kg drum

Suitable for larger production runs





# A Solid Foundation for a Sustainable Future

We believe solid format products are the future, not only for the personal care industry but for the future of our planet too.

In recent years consumers have become ever more interested in what brands are doing to limit their impact on the planet.

**According to Mintel, 58.6% of soap, bath and shower launches in Europe in 2021 had an ethical and environmental claim\*.**

Sustainability doesn't just stop at the products we manufacture. In 2021 we hired a full-time Sustainability Manager to help launch our ambitious Corporate Social Responsibility project. We're just as accountable as everyone else, and as much as we can promote sustainable products, we have to practice what we preach!

**We have more to learn about our environmental impact and how we can innovate more sustainably. We're excited about what our customers and we can achieve.**

\*MINTEL, SUSTAINABLE SOAP, BATH, SHOWER AND BODY CARE IN 2021 REPORT



# Certification Status

A key benefit of liquid soap bases is its certification status; which is a very powerful tool in building trust with consumers.

For organic products, it builds confidence that the products they buy contain materials that are organically produced and have not been subject to any unsuitable processing. Liquid Soap 105, being naturally derived from vegetable oils, can be used to achieve a certified organic product range, or to achieve a specific level of organic content.

For brands looking to achieve RSPO Certified Status, it is difficult to find synthetic surfactants that have any more than Mass Balance certification. For brands to achieve higher level RSPO status, they should consider liquid soaps, produced using Certified segregated palm oil and palm kernel oil.

Stephenson COSMOS, NOP and RSPO Certified liquid soap bases allows the creation of a variety of finished products; offering specific value to companies looking to make sustainable, natural or 'Made with Organic' claims on your product range.



62%

of soap, bath and shower launches in Europe in 2018 had a natural claim – steady on previous years.

-MINTEL

↑3.5%

The global bath and shower products market is projected to grow at a CAGR of 3.5% during the forecast period, 2020-2025

BATH AND SHOWER PRODUCTS  
MARKET - GROWTH, TRENDS, AND  
FORECAST (2020 - 2025)



# Featured Formulations

Our expert chemists at Stephenson have produced a series of inspiring guide formulations using our Liquid Bases.

These can be used as natural alternatives to synthetic surfactants or blended with natural surfactants for added flexibility and performance.





# Natural Beard Wash

COSMOS Organic

Product - [Liquid Soap 105](#)

For a natural beard wash, you can use Liquid Soap 105, made with saponified organic coconut oil.

Coconut oil is a powerful, fast-absorbing moisturiser, high in Vitamin E, and acts as an antioxidant with anti-ageing, antiviral and anti-fungal benefits, known for protecting skin cells from damage and restoring dry, flaking skin.

- » Natural
- » High in Vitamin E
- » Made with organic coconut oil



INGREDIENT	INCI	FUNCTION	STAGE	%W/W
Liquid Soap 105	Aqua, Potassium Oleate, Potassium Cocoate, Glycerine, Potassium Citrate, Citric Acid	Surfactant	A	97.5
Vitamin E	TocopHerol	Anti-oxidant	B	0.50
Salt	Sodium Chloride	Viscosity modifier	C	2.00





# Natural Handwash

RSPO Segregated

Product - Liquid Soap PK-SG

Formulated with saponified RSPO Certified Segregated Sustainable Palm Kernel Oil. Ideal for differentiating your products with natural and sustainable claims.

- » Natural
- » Superior cleansing & moisturising
- » Smooth, silky after feel

INGREDIENT	INCI	FUNCTION	STAGE	%W/W
Liquid Soap PK-SG	Aqua, Potassium Palm Kernelate, Glycerin, Potassium Citrate, Citric Acid	Surfactant	A	96.8
Glycerin*	Glycerin	Humectant	B	3.00
Lemon Essential Oil	Citrus Limon Leaf Oil	Fragrance	C	0.10
Lime Essential Oil	Citrus Aurantifolia Leaf Oil	Fragrance	C	0.10

\*Glycerin must be either RSPO Certified or Palm Free in order to meet the requirements for RSPO Segregated Certification





025

# Natural Face Wash

COSMOS Organic\*

Product - [Liquid Soap 105](#)

Sunflower Oil is rich in linoleic fatty acid (Omega 6), which offers good skin absorption, maintains the skin’s natural barrier, and has anti-inflammatory properties.

- » Natural
- » Clean rinse-off and pleasant after feel
- » Superior moisturisation
- » High in Vitamin E or Omega 6

INGREDIENT	INCI	FUNCTION	STAGE	%W/W
Liquid Soap 105	Aqua, Potassium Oleate, Potassium Cocoate, Glycerin, Potassium Citrate, Citric Acid	Surfactant	A	96.8
Bergamot Essential Oil	Citrus Bergamia Leaf Oil	Fragrance	B	0.10
Patchouli Essential Oil	Pogostemon Cablin Leaf Oil	Fragrance	B	0.10
Salt	Sodium Chloride	Viscosity Modifier	C	4.00

\*Completed formulations require certification once materials have been added





026

# Natural Surface Cleaner

COSMOS Organic\*

Product - [Liquid Soap 105](#)

To make a natural surface cleaner, we recommend using our Liquid Soap 105. Made with organic sunflower and coconut oils.

- » Natural
- » Effective cleaning

INGREDIENT	INCI	FUNCTION	STAGE	%W/W
Water	Aqua	Solvent	A	98.8
Liquid Soap 105	Aqua, Potassium Oleate, Potassium Cocoate, Glycerin, Potassium Citrate, Citric Acid	Surfactant	B	1.00
Organic Lemon Essential Oil	Citrus Limon Leaf Oil	Fragrance	C	0.50

\*Completed formulations require certification once materials have been added





# Liquid Soap 100 & 101



Liquid Soap 100 & 101, are natural liquid soap bases - Liquid Soap 100 is made with organic coconut and Liquid Soap 101 is made with both organic coconut and olive oils. We have outlined some example product applications using either Liquid Soap 100 & 101 as your soap base, blended with natural surfactants.



## Exfoliating Facial Scrub

### Suggested Ingredients

- » Liquid Soap 100
- » Sodium lauroyl glycinate



## Dish Soap

### Suggested Ingredients

- » Liquid Soap 101
- » Lauryl betaine

Can be certified 'Made With Organic' through COSMOS



## Mousturising Shave Gel

### Suggested Ingredients

- » Liquid Soap 100
- » Sodium lauryl methylsulfonate / cocamidopropyl betaine



# Liquid Soap 105



Liquid Soap 105 (Liquid Castile Soap), is a natural liquid soap base made with organic coconut and sunflower oils. There is no need to dilute, and easily thickens with salt due to the high sunflower oil content. We have outlined some example product applications using Liquid Soap 105 as your soap base, blended with natural surfactants.



## Make-up Brush Cleaner

### Suggested Ingredients

- » Liquid Soap 105
- » Sodium methyl oleoyl taurate



## Shower Gel

### Suggested Ingredients

- » Liquid Soap 105
- » Cocamidopropyl betaine



## Hard Surface Cleaner

### Suggested Ingredients

- » Liquid Soap 105
- » Decyl glucoside



## Stain Remover

### Suggested Ingredients

- » Liquid Soap 105
- » Alkaline protease (enzyme/ stain removal)



# Liquid Soap PK-SG



Liquid Soap PK-SG, is a liquid soap concentrate, made with 100% RSPO certified segregated sustainable palm kernel oil – ideal for brands looking to differentiate with sustainability claims. We have outlined some example product applications using Liquid Soap PK-SG as your soap base, blended with natural surfactants.



## Kitchen & Bathroom Cleaner

### Suggested Ingredients

- » Liquid Soap PK-SG
- » Cocomidopropyl betaine



## Toilet Cleaner

### Suggested Ingredients

- » Liquid Soap PK-SG
- » Cocomidopropyl betaine



# Why soap is the most effective in fighting coronavirus?

AGNE ROKE  
APRIL 2020

## Washing hands with soap fights against coronavirus

One tip that has been going around from the beginning of the crisis is that of washing hands with soap. And it is for a reason that soap is the best option for personal hygiene and for fighting viruses including coronavirus, simply because soapy water destabilizes the virus components holding the coronavirus (or any other virus) together and removes it from your skin.

**‘Based on soap science, soap does not need to have any antibacterial**

**additives to be effective, it is important that the hands are washed for at least 20 seconds to kill the virus on the skin’**

Gels, disinfectants, wipes and creams containing alcohol (and soap) are alternatives with similar effect, but not to the same effect as regular soap primarily due to destabilisation and removal properties of the virus from the skin. Alcohol-based products include all “disinfectants” and



“antibacterial” products containing a high share of alcohol solution, typically 60%-80% ethanol, sometimes with a bit of isopropanol, water and a bit of soap.

Ethanol and other types of alcohol does dissolve the lipid membrane and disrupt other supra-molecular interactions in the virus. Thus, alcohol gels and wipes are good alternatives when soap is not practical or handy and it has to contain alcohol levels of at least 60%. Also when it comes to surfaces, the novel coronavirus is thought to stay active on favourable surfaces for hours, day or two. Viruses seem to stay on smooth surfaces for longer like wood, paper and skin and it is recommended to

use soap even for easy sanitisation of surfaces as well as skin.

Any soap - regular or artisan soap can fight viruses including coronavirus. Soaps are categorised in ionic and non-ionic. Ionic soaps derived using common surfactants are more efficient, while non-ionic milder soaps are easier on the skin, as per Eric J. Beckman, Professor of Chemical Engineering statement.

<?>Vox (2020) How soap kills the coronavirus. Available at: <https://youtu.be/-LKVUarhtvE>  
<?>Thordarson, P. (2020) 'The science of soap - here's how it kills the coronavirus', The Guardian, 12 March. Available at: <https://www.theguardian.com/commentisfree/2020/mar/12/science-soap-kills-coronavirus-alcohol-based-disinfectant>  
<?>Gray, E. (2020) 'Coronavirus & cleaning: Which green products are effective against viruses?' The Philadelphia Inquirer, 18 March. Available at: <https://www.inquirer.com/health/coronavirus/coronavirus-covid-19-do-green-cleaning-products-work-20200318.html>





# Contact Us

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