



Shampoo Concentrates Formulation Guide

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

Liquid Crystal Concentrate Starter Formulation

We suggest always starting with a sterilized metal or glass bowl with metal measuring and mixing tools. Make sure counter space is cleaned and wiped with a light solution of bleach in water.

An electronic scale is required to measure components. Choose the batch size you wish to make from the table below. Set the scale for either ounce or gram measurements. Measure your ingredients in the quantities listed in either ounces or grams.

Remember, all measurements are listed by weight **NOT** fluid ounces.

Ingredients:	50oz Batch		100oz Batch	
	Oz	Gram	Oz	Gram
Liquid Crystal Concentrate	16	448	32	896
Fragrance or Essential Oil	.23	6.5	.46	13
Distilled Water	32	896	64	1792
Perservative	.43	12	.86	24
Salt	1	28	2	56

Mix these products in the order listed one at a time and stir completely after each product is added. After adding the salt, mix together for 2-3 minutes using gentle agitation with mixing spoon.

Liquid crystal concentrate is highly active as a 5:1 concentrate with typical use levels of around 20 to 30%. It has excellent clarity, low odor and a neutral color. Liquid crystal concentrate has a low viscosity making it ready to pour or pump.

- Neutral pH
- Manufacturing efficiencies are readily achievable with this system.
- Product will produce copious amounts of dense, creamy lather that rinse away easily and completely

By adjusting the quantity of liquid crystal concentrate with the conditioning additive and liquid pearl at various percentages, several different products can be produced; each having different characteristics and levels of cost effectiveness.

INCI Name: Aqua, Sodium laureth sulfate, Cocamide DEA, Propylene glycol, Sodium chloride, Cocamine oxide, Cocamidopropyl betaine, Glycerine, Citric acid, Polyquaternium-7, Methylchlorisothiazolinone, Methylisothiazolinone, Magnesium chloride, Magnesium nitrate

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Blend 213 Starter Formulation

We suggest always starting with a sterilized metal or glass bowl with metal measuring and mixing tools. Make sure counter space is cleaned and wiped with a light solution of bleach in water.

An electronic scale is required to measure components. Choose the batch size you wish to make from the table below. Set the scale for either ounce or gram measurements. Measure your ingredients in the quantities listed in either ounces or grams.

Remember, all measurements are listed by weight NOT fluid ounces.

Ingredients:	50oz Batch		100oz Batch	
	Oz	Gram	Oz	Gram
Blend 213	15	420	30	840
Fragrance or Essential Oil	.23	6.5	.46	13
Distilled Water	34.5	966	69	1932
Perservative	.43	12	.86	24
Salt	1	28	2	56

Mix these products in the order listed one at a time and stir completely after each product is added. After adding the salt, mix together for 2-3 minutes using gentle agitation with mixing spoon.

Product will produce copious amounts of dense, creamy lather that rinse away easily and completely

By adjusting the quantity of Blend 213 with the conditioning additive and liquid pearl at various percentages, several different products can be produced; each having different characteristics and levels of cost effectiveness.

Salt should be added to the amount shown in the table above. (As required)

If you wish to add a conditioning additive, color, or Q-Pearl, add after the preservative.

Once your additives are fully mixed, add salt to thicken the formula.

Adjust pH if required.

** To add salt as a solution, dissolve 1 part salt to 2 parts hot water. Parts are determined by weight, (example: 1oz/28 gm salt to 2oz/56gm water. Add this mixture a little at a time to increase viscosity. Trials will be needed to establish the correct amount to add. Normal usage levels are 5-6% of the total formulation weight

* Do not add too much salt solution or the product will turn cloudy!

Blend 213 is not designed to be used undiluted. It should be diluted as per our guidelines; undiluted form may cause skin irritation.

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Blend NBB Starter Formulation

We suggest always starting with a sterilized metal or glass bowl with metal measuring and mixing tools. Make sure counter space is cleaned and wiped with a light solution of bleach in water.

An electronic scale is required to measure components. Choose the batch size you wish to make from the table below. Set the scale for either ounce or gram measurements. Measure your ingredients in the quantities listed in either ounces or grams.

Remember, all measurements are listed by weight NOT fluid ounces.

Ingredients:	50oz Batch		100oz Batch	
	Oz	Gram	Oz	Gram
Blend NBB	15	420	30	840
Fragrance or Essential Oil	.23	6.5	.46	13
Distilled Water	34.2	958	68.4	1916
Perservative	.43	12	.86	24
Salt	1	28	2	56

Mix these products in the order listed one at a time and stir completely after each product is added. After adding the salt, mix together for 2-3 minutes using gentle agitation with mixing spoon.

Product will produce copious amounts of dense, creamy lather that rinse away easily and completely

By adjusting the quantity of Blend NBB with the conditioning additive and liquid pearl at various percentages, several different products can be produced; each having different characteristics and levels of cost effectiveness.

Salt should be added to the amount shown in the table above. (As required)

If you wish to add a conditioning additive, color, or Q-Pearl, add after the preservative.

Once your additives are fully mixed, add salt to thicken the formula.
Adjust pH if required.

** To add salt as a solution, dissolve 1 part salt to 2 parts hot water. Parts are determined by weight, (example: 1oz/28 gm salt to 2oz/56gm water. Add this mixture a little at a time to increase viscosity. Trials will be needed to establish the correct amount to add. Normal usage levels are 5-6% of the total formulation weight

* Do not add too much salt solution or the product will turn cloudy!

Blend NBB is not designed to be used undiluted. It should be diluted as per our guidelines; undiluted form may cause skin irritation.

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Blend BBC Starter Formulation

We suggest always starting with a sterilized metal or glass bowl with metal measuring and mixing tools. Make sure counter space is cleaned and wiped with a light solution of bleach in water.

An electronic scale is required to measure components. Choose the batch size you wish to make from the table below. Set the scale for either ounce or gram measurements. Measure your ingredients in the quantities listed in either ounces or grams.

Remember, all measurements are listed by weight NOT fluid ounces.

Ingredients:	50oz Batch		100oz Batch	
	Oz	Gram	Oz	Gram
Blend BBC	15	420	30	840
Fragrance or Essential Oil	.23	6.5	.46	13
Distilled Water	34.5	966	69	1932
Perservative	.43	12	.86	24
Salt	1	28	2	56

Mix these products in the order listed one at a time and stir completely after each product is added. After adding the salt, mix together for 2-3 minutes using gentle agitation with mixing spoon.

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