



Soap-Making

1. Purchasing

	Marseille	Moisturizing	Castile	Total	Note (stock)	Purchase		
	A	B	C				\$	
Lye (NaOH)	158	240	265	663		500g x2	19.70	eBay
Distilled Water	466	930	930	2326		1 Gal =3.78 L x2	2.98	Whole F
Total-1	624	1170	1195	2989				

Olive oil	864	670	1300	2834	(500) 2300g	1 Gallon=4.5 L	21.99	Whole F
Coconut oil	212	610	250	1072	(280) 800g	1 Quart =0.94L	12.99	
Palm oil	120		250	370	(300)	15 oz=444mL	9.99	
Sunflower oil		670		670		500mL x2	9.98	
Beeswax			150	150		1 lb	14.99	Michaels
Oil-total-2	1196	1950	1950	5096				
Total-1 + 2	1820	3120	3145	8085			90.00	
Vinegar								Home

Kitchen Appliances	Metal PAIL (5Q) x4	\$17.00	Plastic Bucket (2Gal) x4	\$15.92	Home Depot
	Tapperware (3L) x3		Mixing Tool x3	\$37.51	Marshals
	Rubber Gloves x 5				Dollar Shop
	Wax paper				Dollar Shop
	Tapperware (Small) x?				Dollar Shop

Additives	Dried Herbs	Lavender	Chamomile	Lemon grass	Oakmoss		
	Color	Cinnamon	Cocoa	Coffee	Chlorophyl	Turmeric	Beet
	Others	Aloe vera gel	Oatmeal	Milk power	Coffee	Salt	

2. Preparation

	Scale (2000 g)
	Heater, Pot (10 L) for warming oils

3. Procedure

1	NaOH Solution	Goggle, Gloves, Bucket (5 L) inside the fume hood, Mixing tool, NaOH(663 g) Distilled water (2326 mL) / Pot (3L) cooled in water/bucket Add NaOH slowly --- Stirring
2	Weighing and Mixing Oils	Large Pot (10 L) / Water / Deep pot (4~5 L) 40°C ; Weighing oils -> deep pot Repeat two other sets of oils
3	Saponification	Goggle, Gloves Weighing NaOH solution -> Warming 40°C ; Add NaOH solution into oil -- Mixing for approximately 20 min Repeat
4	Maturing	Preparing tapperwears / Wax paper / Labels, Adding Additions if you want
5	Clean-up	