

# SAPONIFICATION CHART

## NaOH-sodium hydroxide

### [bar soap]

\*Multiply the amount of oil ounces by its amount of lye needed.

0.136	Almond Oil
0.135	Apricot kernel oil
0.136	Arachis oil, peanut oil, earthnut oil, katchung oil
0.133	Avocado Oil
0.175	Babassu Oil
0.069	Bayberry or myrtle wax
0.140	Beef Fat (tallow)
0.069	Beeswax
0.136	Borage oil
0.175	Brazil nut oil, babassu oil
0.124	Canola oil, rapeseed oil, colza oil, rape oil, ramic oil
0.069	Carnauba wax
0.128	Castor oil, Ricinus oil
0.138	Chicken fat
0.137	Cocoa butter
0.190	Coconut oil
0.132	Cod liver oil
0.136	Corn oil, maize oil
0.138	Cottonseed oil
0.139	Deer tallow, venison fat
0.136	Evening primrose oil
0.135	Flax seed oil
0.139	Goat tallow, goat fat
0.136	Goose fat
0.123 to 0.135	Grape seed oil, grapefruit seed oil (varies widely)
0.136	Hazelnut oil
0.137	Hemp oil, hemp seed oil
0.136	Herring oil, fish oil
0.137	Java cotton, Kapok oil
0.069	Jojoba oil
0.128	Karite butter, shea butter
0.135	Kukui oil
0.138	Lard, pork tallow, pork fat
0.136	Linseed oil, flax seed oil

0.074	Lanolin
0.139	Macadamia nut oil
0.136	Margarine
0.140	Mink oil
0.123	Mustard seed oil
0.138	Mutton tallow, sheep tallow
0.141	Neat's foot oil, beef hoof oil
0.137	Neem tree oil
0.134	Olive oil
0.156	Palm kernel oil, palm butter
0.141	Palm oil
0.136	Peanut oil, earthnut oil
0.135	Pistachio oil
0.138	Poppy seed oil
0.135	Pumpkin seed oil
0.128	Rice bran oil
0.136	Safflower oil
0.135	Sardine oil, Japan fish oil
0.133	Sesame seed oil, gigely oil
0.128	Shea butter, African karite butter
0.138	Sheep fat, sheep tallow
0.074	Sheep wool fat, lanolin
0.136	Shortening, vegetable shortening, hydrogenated vegetable oil
0.135	Soybean oil, Chinese bean oil
0.134	Sunflower oil
0.137	Theobroma oil, cocoa butter
0.137	Tung oil, soybean oil, China wood oil
0.138	Venison fat, deer fat,
0.136	Walnut oil, <i>Juglans regia</i> oil
0.138	Whale: baleen whale
0.092	Whale: sperm whale, body, blubber oil
0.102	Whale: sperm whale, head
0.132	Wheatgerm oil, <i>Triticum vulgare</i> oil
0.074	Wool fat, lanolin

\*adapted from *Handmade Soap Book, Updated Second Edition* by Melinda Cross