


Vegetable, Carrier & Emollients Oils Master Data

Oil or Fat	Oil Price Guide \$0-\$30 * \$31-80 ** \$81-121 *** \$122-180 **** \$181 + *****	Oil Yield – A measure of how efficient the crop is 0-20% Yield X 21-40% Yield XX 41-60% Yield XXX 61 Yield and more XXXX. Useful for sustainability concerns.	Free Oleic Acid for skin irritation potential/ also for skin penetration	HLB for Emulsification	Recommended Skin Type	Key Features	Refractive Index at 20C. Tells us how shiny the oil will be	Shine Index Low Shine = * High Gloss = *****	Saponification Value For Soap Making	Saturated Fatty Acids Total	Omega Fatty Acids Total	Approx Saturated/ GLA ratio	Mono Unsaturated		Poly Unsaturated Fats			Waxy Fatty Acids for Barrier Repair			
													Palmitoleic Acid OMEGA 7	Oleic OMEGA 9	Linoleic OMEGA 6	Linolenic OMEGA 3	Alpha Eleostearic Acid Omega 3	Eicosenoic Acid (arachidic Acid)	Docosenoic Acid (erusic Acid) Omega 9	Docosadienoic Acid	
													C16:1	C18:1	C18:2	C18:3	C18:3	C20:1	C22:1	C22:2	
Acai Virgin Oil	*****	XX	10	7	Ageing or damaged skin, Normal-Dry	Amazonian Oil, Antioxidant, Phytosterols, Vitamins and Minerals.	1.465	***	Max 200	17.4	80	1:5		50	30						
Almond Sweet (Sweet Almond Oil is often made from bitter almonds as the sweet almonds are too valuable to use for oil extraction only!)	*	XXX	4	6	Normal – Dry	Good all-purpose carrier oil.	1.459	*	190-200	9	86	1:10		69	17	-					
Andiroba (also known as Brazilian mahogany. An average tree can produce enough nuts for 30Kg of oil annually)	**	XXXX	Max 30	NA	Normal- Greasy or all skin types as an insect repellent	Insect Repellent, reduces pain and was traditionally used as an anti-inflammatory oil, kills bacteria. Brazilian oil. The oil also has good pigment dissolving	1.459	*	165-210	36	60.2	1:2		50	9				1.2		
Apple Seed Oil	*****	XXXX	Max 2.5	NA	All skin types, Good antioxidant activity for sun damaged or stressed skin.	This oil comes from the apple seeds which are usually regarded as waste. So in that way this is a waste-to-value product. The seed oil is a good source of natural antioxidants and in addition, the oil has a great, fresh aroma. It is also quite a stable oil making it suitable for all skin types and applications. The oil naturally contains around 1.5% Stearic acid and 1% Arachidic Acid so some cloudiness and sediment can be expected in cold weather.	1.47	***	184-185		90			47	43						
Apricot Kernel	*	XX	Max 0.5	7	Sensitive, Normal-Dry	Everyday Oil for normal to dry skin	1.47	***	185-195	8	97	1:12		65	30	1			1		
Argan	***	XXX	Max 4	11	Normal – Dry	High shine, High level of antioxidants for anti-ageing. Light weight oil with quick skin penetration	1.48	****	185-200	18.22	78.4	1:4		45	33				0.4		
Avocado	*	XXXX	Max 1	7	Sensitive, Normal-Dry	Chlorophylls, carotenoids, Lutein, Anthocyanin for antioxidant properties, photoprotection and skin repair.	1.469	***	175-200	22	75.3	1:3		60	15	0.3					
Baobab (also known as the tree of life)	*****	XX	Max 20	6	Ageing or damaged skin, Normal-Dry	Rich in the amino acids lysine, vitamin B1 (thiamine), calcium and iron.	1.468	***	150-165	29	73	1:3		40		33					
Blackcurrant	*****	XX	Max 1	7-8	Ageing or damaged skin, Normal-Dry	Very high GLA content which makes this excellent for very dry and damaged skin.	1.48	****	185-195	7.7	87	1:12		10	50	26			1		
Black Seed Oil (Nigella Sativa)	***	XX	Approx 6	NA	Skin barrier repair, Problem Skin, Ageing.	Also known as Black Cumin this oil is widely used in Middle Eastern and Indian traditional medicine. Reported antitumor, antioxidant, anti-inflammatory and antibacterial activity. The presence of thymoquinone and other antioxidants and anti-inflammatories make this great for skin healing and managing problem skin. This oil's antioxidant capacity also makes it a good option for stabilising other oils in blended products.				20	80	1:4	None	21	56	2.5					
Borage	****	XXXX	Max 2	7	Extra Dry	Very high GLA Content making this excellent for skin repair, very dry skins and damaged skin. Also very efficient crop yielding over 70% oil and requires little pest control. Mainly cultivated in the UK. Also attractive to bees! Source of Omega 9 for barrier repair and long-lasting protection	1.48	****	185-195	12.5	89	1:6		20	40	25					4
Brazil Nut Oil	***	XXXX	Max 1	NA	Extra Dry	Brazil nuts contain the highest percentage of oil with in excess of 65%. The oil contains a range of phytonutrients including beta-Sitosterol and Stigmasterol. These are similar to cholesterol, an important component of our skin barrier and as such, this oil is useful for people with very dry, chapped skin.	1.48	***	188-189	24	75			35	40	0.1					0.5
Broccoli Seed Oil	****	XX			Diluted for pain relief massage.	Light, non-greasy oil with a high level of Erucic acid which makes this unsuitable for eating but OK in skincare. While this fatty acid can cause some irritation at high levels, when diluted it can be used in massage for soothing aches and relieving congestion. Mustard oil is another source of Erucic acid so the two can be used in similar way. This is a fairly stable oil with a typical 2 year shelf life.				17	70			14	11	9			6		50



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Buriti	**	X	Max 5	6-7	Problem Skin, Oily-Normal	South American 'Tree Of Life'. The pulp is extremely rich in essential fatty acids and carotenoids, including beta-carotene. Buriti Fruit Oil is considered to be one of the richest sources of beta-carotene, with levels exceeding that of carrot seed oil. Beta carotene is a precursor to Vitamin A in the body!	1.47	***	185-240	17.4	82	1:5		80	1	1				
camellia	*	XXX	Max 0.5	7	Ageing Skin, Normal-Dry	It is a good source of the minerals phosphorus, magnesium, calcium, Selenium, iron and manganese. Known as the Chinese equivalent to Olive oil due to its high Oleic Acid content.	1.465	***	130-145	19	79	1:4		57	22					
Canola	*	XXX	Max 1	7	Sensitive, Normal-Dry	Good all-purpose oil phase oil. No special properties but very cost effective	1.466	***	182-193	6	94	1:16		62	22	10				1
Castor	*	XXX	Max 2	12-14	Extra Dry	Thick, rich, occlusive oil for barrier protection. Also good pigment dispersing power	1.477	****	177-187	4	11	1:3		4	5	1			1	
Chaulmoogra	***	XX	14	NA	Problem skin, anti-microbial applications.	This oil is a long-standing treatment for leprosy and other skin diseases. Its properties are said to be due to the cyclic fatty acids - Hydnocarpic (20%) and goric acid (27%) which have anti-microbial properties. This particular species was most popular in India.	1.54	****	265-278	17	83	1:5	3							
Cherry Kernel	**	XX	Max 0.5	6	All skin types.	Contains 10% eleostearic acid which has some UV protective qualities. Amounts present in the oil will vary from batch to batch and based on extraction process. This heavy oil forms a barrier on the skin which can help boost the skins natural SPF but isn't suitable as a sole sunscreen agent. The shine factor of the oil alone may increase UV intensity if used alone. The oil also contains antioxidants and vitamins useful for skin protection.	1.471	****	180-200	11	89	1:11		37	42		10		1	
Coconut	*	XXXX	Max 3	6-7	All Skin Types	Great all-rounder oil. Lovely smell, high shine, skin and hair compatible. Coconut oil is very stable and also has a beautiful light, sweet taste making it ideal in lip products. Refined coconut oil can be purchased if the coconut aroma isn't required. Be aware that at room temperature this oil is semi solid.	1.45	**	245-265	83	8	0.1:1		6	2	-				
Corn	*	XXX	Max 2	7	Sensitive, Normal-Dry	Good low-cost carrier oil	1.466	***	187-193	13	87	1:7		28	58	1				
Cottonseed	*	X	Max 2	7	Sensitive, Normal-Dry	Good low-cost carrier oil	1.467	***	191-196	26	74	1:10		19	54	1				
Cucumber	*****	X	Max 2.5	7	Normal- Greasy	Very light, beautiful aroma, rich in vitamin E and phytosterols so great on sun damaged skin. Rich in Omega 3	1.47	****	180-190	17.6	83.6	1:5		18	65	0.5			0.1	
Evening Primrose	**	*	Max 1	7	Ageing Skin, Normal-Dry	GLA content. Highly active antiinflammatory Triterpenoidal esters in the oil. Relieves symptoms of eczema etc. Often seen as a womens oil as it helps sooth pre-menstrual cramping and soreness.	1.48	****	175-195	8	91	1:11		10	70	11				
Flaxseed (Linseed)	*	XXX	Max 2	7	Extra Dry	Rich in Omega 3.	1.469	***	189-196	10	90	1:9		21	16	53				
Grapeseed	*	XX	Max 0.5	7	Sensitive, Normal-Dry	Omega 6. Good for repairing stretch marks. Mildly astringent so good for acne prone skin.	1.474	****	182-200	12	88	1:7		15	73	-				
Guava Seed Oil	****	X		NA	All skin types. Natural Aroma	This oi is very similar in feel and chemistry to Safflower oil. It has a pleasant light and fruity aroma and is great for all skin types.	1.477	****	196	12	78	1:7		11	76				0.3	
Hazelnut	*	XXXX	Max 0.5	7	Extra Dry	A good all-purpose oil that is quite rich in texture	1.471	****	180-200	7.5	75.6	1:10		75		0.4			0.2	



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Hemp	**	XX	Max 1	7	All Skin Types	Hemp seed oil has been dubbed "Nature's most perfectly balanced oil", due to the fact that it contains the perfectly balanced 3:1 ratio of Omega 6 (linolei/LA) to Omega 3 (alpha-linolenic/LNA) essential fatty acids, determined to be the optimum requirement for long-term healthy human nutrition. In addition, it also contains smaller amounts of 3 other polyunsaturated fatty acids in gamma-linolenic acid (GLA), oleic acid and stearidonic acid. The EFA combination is unique among edible oil seeds.	1.4765	****	140-175	6	67	1:21		8	44	15				
Jojoba	**	XXX	Max 1	6	All skin Types. Light-weight	This waxy ester sinks perfectly into the skin without leaving a greasy residue. It is well tolerated on most skin types and is a relatively stable oil	1.465	***	92-167	8	93	1:12		7				70	16	
Karanja Seed Oil	****	XX	Max 4.5		For insect repellency	This oil has a long history of use as an insect repellent across India where it is native. It is a legume plant and produces a good quality oil.				17	83	1:5		35	20	4		1		
Kiwi	*****	XX	Max 1	7	Problem Skin, Oily-Normal	Kiwi Seed Oil, cold pressed from the Kiwi seed, is a rich source of Vitamin C, Vitamin E, potassium and magnesium. It is high in essential Omega 3 fatty acids, containing over 60% Alpha Linolenic Acid. This high shine oil is perfect for colour cosmetics and hair products.	1.48	****		8	90	1:11		12	15	63				
Kukui	*****	XX	Max 1	7	Normal- Greasy	Produced in Hawaii. Excellent skin feel, light and easily absorbed. This is known as a drying oil as it leaves the surface feeling dry and non-greasy making it great for hand care and foot products. It also has a high shine index making it amazing for hair care products as this paired with its quick dry properties mean it won't leave hair looking wet and oily.	1.475	****	185-195	10	90	1:9		26	38	26				
Macadamia	*	XXXX	Max 2	7	Sensitive, Normal-Dry	High content of Palmitoleic Acid. Very stable and good skin compatibility. Palmitoleic is Omega 7 said to be excellent for barrier repair, superior to Omega 6 and 9.	1.466	***	190-200	12	88	1:7	20	64	4					
Marula	*****	XXX	Max 5	9	All Skin Types	Same family as Mango, Pistachio and Cashew Family. A very stable oil when compared to Olive, Sunflower and Cottonseed, especially given its low vitamin E content and high oleic acid concentration. The oil does have good antioxidant properties and this paired with its low shine index make it excellent for day-wear skin care.	1.46	***	185-195	22	82	1:4		75	8	0.7		0.5		
Meadowfoam	***	XX	Max 0.5	6.5-7	Normal – Dry	Very stable due to high percentage of very long chain fatty acids which make this oil distinctive and so good for extra dry skin. Good barrier protection. Omega 9's	1.472	****	160-175	0	100	0:1						64	15	20
Moringa (Drumstick Tree or Horseradish tree)	***	XX	NA	7	Normal- Greasy	Relatively light weight oil thanks to the higher percentage of low molecular weight fatty acids. The Moringa tree is renown for its healing properties so this is good in folk medicine or as part of a native apothecary	1.467	***	190-205	18	80	1:5		74	2	2		2		
Natal (Natal Mahogany Oil) Also known as Mafura Oil	**	XXX	NA	7-8	Ageing Skin, Normal-Dry	he Natal Mahogany tree (Trichilia emetica) is a majestic beautiful hardwood deciduous tree, which can grow over 65 feet tall. The flowers are creamy and yellow, gifting a lovely sweet aroma. Popular in South Africa where the oil was used to heal bones! Silky skin feeling. Stable oil that melts at 30C making it great for thicker, richer products	1.467	***	NA	38	60	1:2		50	10					
Neem	**	X	Max 2	9	Normal-Greasy or all skin types as an insect repellent	Insect repellent. Triterpenoids which give it the insect repellent properties	1.461	***	175-200	32	63.3	1:2		45	17	1.3				
Olive	*	XXXX	Max 4	7	Normal – Dry	Great anti-ageing oil as rich in squalene which is a good barrier repair and skin cushioning active	1.468	***	187-196	16	82	1:5		71	10	1				



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Palm	*	XXXX	Max 1	8	All Skin Types	hard oil to give viscosity and structure to oil phase	1.442	*	190-210	50	50	1:1		40	10	-				
Papaya Seed Oil	*****	XXX	Max 6	NA	All skin types and especially sun damaged or premature aged skin.	This is another waste-to-high value product ingredient. The oil is rich in Oleic acid and has a profile not dissimilar to Olive Oil. The oil has a beautiful light, fruity aroma and is suitable for all skin types. It contains an unsaponifiable fraction of around 5% which helps with barrier repair and conditioning due to its phytosterol make-up of Campesterol, Sigmasterol and beta Sitosterol		***	183	29	71	1:2.5		67	4	0.2		0.4		
Passionfruit	****	XX	Max 2	11-12	Ageing or damaged skin, Normal-Dry	Anti-inflammatory, Light texture, non-greasy, easy to absorb. Contains a high level of Omega 6 Linoleic acid for deep skin conditioning.	1.465	***	165-175	10	90	1:9		12	77	1				
Peach Kernel	*	XX	Max 1	7	Sensitive, Normal-Dry	This is a good base oil for delicate skin. It contains very little in the way of antioxidants such as vitamin E and sterols which can be good for those sensitive to such actives and who are perhaps looking just for moisturisation or barrier protection.	1.471	****	190-2000	9	86.5	1:10		60	25	1		0.5		
Pine Nut Oil	***	XXX	Max 2.5	NA	Massage, General Skin Care	Contains Pinolenic Acid which has been found to have some hunger suppressing powers While we don't sell the oils for ingestion, because of this property, this oil makes sense in slimming and health massage products. The oil also contains Vitamin E, Chlorophylls and Carotenoids making this an antioxidant oil.				8	85	1:9		56		30				
Pistachio	**	XXXX	Max 1	8	All skin Types. Light-weight	A light oil, Pistachio oil is an excellent emollient which provides a high level of moisturization to the skin, with the ability to be rapidly absorbed without a greasy feel. Similar to Peanut oil, Pistachio oil will soften and nourish the skin, making it a great moisturizer for lip balms, creams, lotions, massage blends and oils Oxidative stability: This is one of the most stable tree-nut oils around. Much more stable than sweet almond or walnut for example. The oil also has a relatively low shine compared to other oils so is good for facial serums.	1.464	***	188-192	15	85	1:20		74	10	1				
Pomegranate	*****	X	Max 5	7	Ageing or damaged skin, Normal-Dry	Grows in India, Iran etc. Improves skin elasticity. This is an oil with extremely high shine so is excellent in hair care and colour cosmetics where gloss is desirable. The high level of antioxidants also help to protect and repair the skin	1.478	****	185-195	7	93	1:12		10	8	75				
Poppy Seed	*****	XXX	Max 3	7	All Skin Types	Similar to Hemp Seed Oil in feel.	1.475	****	190-200	12	88	1:7		11	72	5				
Prickly Pear	*****	X	NA	8-9	All Skin Types	The Opuntia Ficus Indica plant is a member of the cactus family and is commonly known as Prickly Pear (also known as India Fig Opuntia or Barbary Fig). Native to Mexico. Good all-rounder.	1.468	***	160-175	14	87	1:6		17	70					
Pracaxi Oil	***	XX	NA	NA	Super Dry Skin, During pregnancy to prevent stretch marks, Scar healing	This oil comes from the Amazon region. It is rich in Behenic, Oleic, Linoleic and Lignoceric acids, many of which have medicinal value. Traditionally this oil was used to treat snake bites, ulcers, Stretch marks and for its insecticide properties. The oil has been trialled clinically and found to have benefits in scar healing.				30	70	1:2		53	13	0.1				
Pumpkin	***	XX	Max 4	8	Problem Skin, Oily-Normal	Popular in German Folk Medicine and also in Russia. Contains sterols which are antioxidants and Vitamin E.	1.472	****	185-195	25	87	1:3		35	50	2				
Raspberry	*****	X	Max 5	7	Ageing or damaged skin, Normal-Dry	Antioxidant carotenoid content. Very high tocopherol content.	1.466	***	180-195	3	96	1:32		12	54	30				
Rice Bran	*	X	Max 0.5	7	Normal – Dry	A light emollient oil for general skin care	1.478	****	180-195	20	89	1:4		50	38	1				



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Rosehip	**	XXX	Max 1	7	Ageing Skin, Normal-Dry	ROSEHIP OIL REFINED also contains natural Tretinoin or Retinoic Acid (a Vitamin A derivative), which replenishes and helps rebuild skin tissue.	1.475	****	185-195	6.32	91.25	1:14		15	44	32		0.25		
Safflower	*	XX	Max 2	8-9	Ageing Skin, Normal-Dry	A feminine oil but also used to help heart conditions and lower cholesterol.	1.475	****	188-194	9	91	1:10		13	78	-				
Sacha Inchi Oil	***	XXX	Max 3	NA	Ageing or damaged skin.	This Amazon oil is a great source of Omega 3 fatty acids. The oil also contains a sizeable phenolic antioxidant fraction plus a range of tocopherols making this an antioxidant oil. Traditional uses include for skin softening, wound healing and general skin recovery.	1.475	****	182-195	12	80	1:7		8.5	38	42		0.1		
Sandalwood Nut Oil	*****	XXX	Max 4	NA	All skin tyoes. Specifically good for antimicrobial applications	This is the seed oil from the fruits that grow on the Sandawood tree. The oil contains up to 31% Ximenynic acid which, in some situations has an antimicrobial action. The oil also contains a reasonable quantity of squalenes and phytosterols for general skin conditioning.	1.477	*****	296	6	90	1:10	0.7	53	1.2	1.3				
Seabuckthorn Oil (CO2)	*****	X	NA	6-7	Ageing or damaged skin, Normal-Dry	Rich in Omega 7 which is great for barrier repair and skin protection. Also high in polyphenols for sun repair. The high shine index of this product also make it great for lip products and gloss enhancing creams and hair preparations.	1.479	****	NA	35	59	1:2	36	10	12	1				
Seje	*****	XX	Max 5	NA	All skin types	This Amazon oil is a good all-round oil for skin and hair care. It contains a high level of Oleic acid and leaves the skin and hair with a gentle shine. The oil also contains sterols Avenosterol and Beta itosterol plus soe aliphatic alcohols and vitamin E. These components give the oil its antioxidant action.	146-148	****	185-205	12	83	1:8	0.3	80	2	0.3				
Sesame	*	XXX	NA	7	Normal – Dry, Stressed Skin	Used in Ayurvedic medicine. Contains a good balance of fatty acids plus antioxidants for great all-round skin protection. The oil also contains the phenolic antioxidant Sesamol which has been investigated for its antimutagenic and antiageing activity.	1.475	****	188-195	13	86	1:7		41	45	-				
Shea Oil	*	XXX	Max 1.5	NA	All skin types.	The oil contains around 5-7% unsaponifiable matter which is rich in antioxidant phytosterols for skin conditioning. This has the same properties as shea butter but is instead always liquid due to the lower levels of stearic acid.	NA	NA	175-195	35	75	1:2		60	8	1.5		2		
Soyabean	*	X	Max 0.05	7	Sensitive, Normal-Dry	A good carrier oil for actives	1.465	***	189-195	9	91	1:10		45	40	6				
Sunflower	*	XX		7	Sensitive, Normal-Dry	A general purpose low-cost oil	1.465	***	188-194	12	88	1:7		19	68	1				



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													C16:1	C18:1	C18:2	C18:3	C18:3	C20:1	C22:1	C22:2
Tamanu	****	XXX	NA	8	All Skin Types except Extra Sensitive	This pacific region oil has a long history of use to help reduce scarring, improve wound healing times, build elasticity in the skin (pregnancy) and generally condition and protect the skin. It is believed to have some anti-inflammatory properties and as such as classified as an active carrier oil. The oil is slightly green in colour and has a distinctive scent. It contains vitamin E and	1.466	***	180-200	35	75	1:2		40	35			1		
Walnut	**	XXXX	Max 1	7-8	Extra Dry	This highly nourishing oil is great for dry to extra-dry skin. This oil has a long history of use in hair conditioners and treatment oils where its high omega fatty acid content helps to condition and protect the scalp.	1.469	***	190-200	16	84	1:5		28	51	5				
Watermelon	***	XXX	Max 1	6-7	Problem Skin, Oily-Normal	Light, non greasy oil that dissolves sebum. Rich in Omega fatty acids 6 and 9	1.478	****	185-200	28	72	1:8		14.5	62	1				
Wheatgerm	**	X	Max 7	7	Extra Dry	Very good for extra dry skin due to the Omega fatty acids and extraordinarily high levels of Vitamin E at approx 250mg/100g	1.465	***	179-190	19	75.25	1:4		25	45	5		0.25		