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XIMENIA OIL

TECHNICAL DATA

Product Name:	Ximenia Oil
Botanical Name:	<i>Ximenia americana</i>
INCI Name (USA)	Ximenia Americana Seed Oil
CAS #	95193-67-2
EC #	305-880-2

Applications

Ximenia oil has traditionally been used in cooking, but its primary purpose has been as an emollient. The oil can be used in products for hair and body care. Safe for use around the eyes, it is an ingredient in emollient creams for normal and dry skins, shampoos for dry, damaged and fragile hair, in lipsticks, and safely used in baby care products.

General Properties

Fatty Acid Composition (Range of values)					
Miristic Acid	C 14:0	<1%	Linolenic acid (omega 3)	C 18:3 (ω 3)	8-10%
Pentadecanoic acid	C 15:0	<1%	Arachic acid	C 20:0	1%
Palmitic acid	C 16:0	1-3.5%	Heicosenoic acid	C 20:1	<1%
Palmitoleic acid	C 16:1 (ω 7)	<1%	Docosapentaenoic acid	C 22:0	5-7%
Heptadecanoic acid	C 17:0	<1%	Erucic acid	C 22:1 (ω 9)	3-4%
Heptadecenoic acid	C 17:1	<1%	Lignoceric acid	C 24:0	1.5-3%
Stearic acid	C 18:0	4-15.5%	Nervonic acid	C 24:1	7-12%
Oleic acid (omega 9)	C 18:1 (ω 9)	55-82%	Hexacosenoic acid	C 26:1	6.5-9.5%
Xymenynic acid	C 18:1	5-15%	Cerotic acid	C 26:0	1.5-3%
Linoleic acid (omega 6)	C 18:2 (ω 6)	1-10%	Octocosenoic acid	C 28:1	8-12%

Average Saturated Fatty Acids: 5-10%

Average Unsaturated Fatty Acids: 90-95%

- Appearance : Liquid at 25°C
- Color : Clear yellow
- Odor : Odorless
- Taste : Characteristic
- Specific gravity : 0.91 – 0.92
- Refractive index : 1.460 – 1.480
- Iodine value : 65 - 95 g/100g
- Saponification Index: 150 - 183 mg (KOH/g)

Storage conditions

Stable oil. Shelf life 2-3 years.

Containers should be kept closed in order to minimize contamination. Store in a cool (<75° F), dry, well ventilated, place away from heat and light. Keep from extreme heat and away from all sources of ignition.

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