



Rev 3.

Revision Date:2015/10/19

VEGETABLE SQUALENE

Description of the product

The product is a concentration of the unsaponifiable matter obtained from olive oil which contains high amount of vegetable squalene.

It is mainly used in cosmetic industries as raw material.

TYPICAL ANALISYS

Analytical details

Appearance:

Color:

Odor:

Acidity:

Unsaponifiable Matter:

Saponification Value:

Content of Squalene:

Specification

Liquid

Light yellow

(between n° 1 and n° 2 in Gardner Scale)

Slight

< 0.5

>96%

< 5 mg KOH/g

> 85 %



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MATERIAL SAFETY DATA SHEET

1 PRODUCT AND COMPANY IDENTIFICATION

Name of the product: Vegetable Squalene (Escualeno vegetal)

Use of the product: industrial raw material

Identification of the trading company:

Name: SQUAOLIVE, S.L.

Address: Avda. Gran Capitán 45, Esc. 5, 2ªA

14006 Córdoba - Spain

Telephone number: (+34) 660407388

Email: info@squaolive.com

Web site: www.squalene-olive.com

2 COMPOSITION / INFORMATION ABOUT COMPONENTS

Chemical name:	Unsaponifiable matter from olive oil.
% squalene content	>85%
N ° CAS:	111-02-4
N ° EINECS	203-826-1
Hazard symbols:	None listed
Risk Phrases:	None listed

3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Caution! May cause eye, skin, and respiratory tract irritation. Target Organs: None Known.

Potencial Health Effects:

Inhalation Toxicity: Not expected to be toxic by inhalation. Not tested on animals.
Inhalation Irritation: Not a respiratory irritant.

Skin Toxicity: No significant adverse effects to health would be expected to occur from dermal contact. Not expected to be irritating to the skin.

Skin Absorption: Not expected to be absorbed through the skin.

Eye Toxicity: Contact would not be expected to cause transient redness if not washed out and left in the eye for an extended period of time. No corneal involvement or visual impairment is expected.

Ingestion Toxicity: Not irritating. Not expected to be toxic by ingestion.



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4 FIRST AID MEASURES

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.

Skin: Get medical aid if irritation develops or persists.

Ingestion: Do not induce vomiting. Get medical aid if irritation or symptoms occur.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if any symptom appears.

5 MEASURES OF FIGHT AGAINST FIRES

General information: In case of fire is needed a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Auto ignition Temperature: Non available.

Flash point: > 112 deg C (> 233.60 deg F)

Explosion Limits: Not available.

NFPA Rating: Health: 1; flammability: 1, instability: 1.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Not necessary

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Provide ventilation. Do not let this chemical enter the environment.

7. HANDLING AND STORAGE

Handling: Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Handle under an inert atmosphere.

Storage: Store in a cool, dry placer. Store in a tightly closed container. Store under an inert atmosphere.



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8 EXPOSURE CONTROLS, PERSONAL PROTECTION

Chemical Name	ACGIH	NIOSH	OSHA – Final PELs
Squalene	None listed	None listed	None listed

OSHA Vacated PELs: Squalene: None listed

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 190.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Viscous liquid
Color: Clear colorless to faint yellow
Odor: None reported.
pH: Not available.
Vapor Pressure: Not available.
Vapor Density: 14.2
Evaporation Rate: Not available.
Viscosity: 12 cP 25 deg C
Boiling Point: 285 deg C @ 25 mmHg (545.00 °F)
Freezing/Melting Point: -75 deg C (-103.00 °F)
Decomposition Temperature: Not available.
Solubility in water: Soluble in lipids and organic acids.
Specific Gravity/Density: .8550 g/cm³.
Molecular Formula: C₃₀H₅₀
Molecular Weight: 410.71



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10 STABILITY AND REACTIVITY

Chemical Stability:	Air sensitive.
Conditions to Avoid:	Incompatible materials, exposure to air-
Incompatibilities with Other Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide.
Hazardous Polymerization:	Has not been reported.

11 TOXICOLOGICAL INFORMATION

LD50/LC50:	CAS# 111-02-4: Oral, mouse: LD50= 5 gm/kg.
Carcinogenicity:	Squalene: Not listed as a carcinogen y ACGIH, IARC, NTP, or CA Prop 65.
Other:	See actual entry in RTECS for complete information.

12 ECOLOGICAL INFORMATION

Other: Do not empty into drains.

NATIONAL AND LOCAL RULES FOR THE PROTECTION OF THE
ENVIROMENT MUST BE OBSERVED

13 DISPOSAL CONSIDERATIONS

Disposed of in a manner consistent with federal, state, and local regulations.

14 INFORMATION RELATIVE TO THE TRANSPORT

ADR:	not applicable
IMCO:	not applicable
IATA:	not applicable
Number UN:	not applicable
Complementary Information:	not regulated as hazardous material

15 REGULATORY INFORMATION

In agreement with our information, the product is not dangerous in the sense of the Directive 67/548/CEE and subsequent modifications and transpositions.



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16 OTHER INFORMATION

MSDS Creation Date: 2012/11/12

Revision #1 Date: 2012/11/12

Revision # 2 Date: 2014/11/05

Revision # 3 Date: 2015/10/19

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.