

## AlgaPür™ HSHO algae oil

A stable and luxurious liquid bio-based oil, created by the transformative powers of microalgae

### INCI Name: Triolein

AlgaPür™ High Stability High Oleic (HSHO) algae oil is one of the most stable liquid bio-based oils on the market, delivering versatility in eco-friendly formulations for skin and hair care. During a controlled manufacturing process, the algae efficiently convert simple sugars into triglyceride oils. This process takes place far from fragile ecosystems, resulting in minimal environmental impact while ensuring rapid scalability and reproducibility. AlgaPür™ HSHO algae oil is a natural ingredient (according to ISO 16128), readily biodegradable, palm-free, suitable for halal and vegan formulations and is fully traceable. It can be combined with or replace typical vegetable oils — and, in some instances, mineral oil. This novel ingredient won the 2021 BSB Innovation Award: 3rd prize, Natural Products category (Hair Care)

### APPLICATIONS

- Body Washes (Bath & Shower)
- Conditioners (Hair Care)
- Hair Coloring (Hair Care)
- Shampoo (Hair Care)
- Styling Products (Hair Care)
- Treatment (Hair Care)
- Anti-aging Products (Skin Care)
- Body Care Products (Skin Care)
- Body Lotions/Creams/Gels (Skin Care)
- Eye Area Skin Care Products (Skin Care)
- Facial Care Products (Skin Care)
- Lip Care (Skin Care)
- Sun Care (Skin Care)

### FEATURES AND BENEFITS

- Adds emolliency and moisturization properties
- Adds emolliency without greasiness
- Adds gloss to lip care and hair care formulations
- Aides in conditioning the scalp
- Color protection
- Controls hair frizz
- Emollient in both hair and skin formulations
- Exceptional oxidative stability
- Good slip
- Good spreadability and fast absorbency in creams and lotions
- Improves hair manageability
- May have anti-aging benefits to both skin and scalp
- Microbiome friendly
- Non-greasy skin feel

Lubrizon Advanced Materials, Inc. / 9911 Brecksville Road, Cleveland, Ohio 44141-3247 / TEL: 800.379.5389 or 216.447.5000

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For further information, please visit: [www.lubrizon.com/personal-care](http://www.lubrizon.com/personal-care)

- Nourishes hair follicle
- Protects and repairs hair fiber
- Protects sensitive actives (such as retinol) against UV light and temperature
- UV protection of hair fiber
- Water insoluble

### THIRD PARTY CERTIFIED

- China compliant
- Halal

### COMPASS BENEFITS

#### Nature-Based Content

Naturally Derived: RCI = 1.00

#### Lower Impact

- Non-persistent/Non-toxic

### NATURE BASED MATERIALS

- Microalgae (Microalgae) - Brazil

### PHYSICAL DESCRIPTION AND USE

- **Color/Appearance:** Yellow To Brown
- **Form:** Liquid
- **Odor:** Mild

### SPECIFICATIONS

Product Specification	UOM	Minimum	Maximum	Test Frequency	Test Procedure
FATTY ACID, FREE	%		0.1	Each Lot	AOCS CA 5A-40
SATURATES	%		4	Each Lot	AOCS CE 1A-13
COLOR, LOVIBOND (YELLOW)			25	Each Lot	AOCS CC 13J-97
COLOR, LOVIBOND (RED)			2.7	Each Lot	AOCS CC 13J-97
C18:1	%	90		Each Lot	AOCS CE 1A-13
PPM MOISTURE	ppm		1000	Each Lot	ASTM D 1533
PEROXIDE VALUE (MEQ/KG)	MEQ/KG		10	Each Lot	AOCS CC 8B-90
POLY UNSATURATES	%		4.5	Each Lot	AOCS CE 1A-13

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Product Specification	UOM	Minimum	Maximum	Test Frequency	Test Procedure

Lubrizol test procedures may be found online at: [www.lubrizol.com/Personal-Care/Literature](http://www.lubrizol.com/Personal-Care/Literature).

A myLubrizol account is required for access.

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## MANUFACTURING LOCATION(S), STORAGE AND HANDLING

Manufactured in the following location(s):

- Third Party Manufacturer

Packaging:

- Drum
- Pail
- Tote / IBC

Note that slight difference in volume and weight may occur between geographic regions based on packaging availability.

Recommended Retest Period

Recommended retest period is 912 days from the date of manufacture.

Storage and Handling

Keep in cool (preferably below 25°C) storage away from light and moisture in unopened container. Consult the Safety Data Sheet (SDS) for additional pertinent information.

## REGULATORY STATUS

AlgaPür™ HSHO algae oil is widely registered on chemical inventories across the globe. For specific status, please consult the most recent Safety Data Sheet or contact your local Lubrizol representative.

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