



SAFETY DATA SHEET

CLASSIFIED IN ACCORDANCE 29 CFR 1910.1200

1. Identification

Product identifier: SFF DHA Algae Flour

Other means of identification: None.

Recommended restrictions

Recommended use: Feeds

Restrictions on use: Not known.

Manufacturer/Blended and Distributor Information

Algae Oil Production Company Name: Veramaris V.O.F., Alexander Fleming Laan 1, 2613 AX Delft, The Netherlands. Telephone: +31 152 79 2370. E-mail: sds-info@evonik.com

Emergency telephone number:

24-Hour Health Emergency : +49 2365 49 2232

Blended and distributed by Company Name: South Florida farming Corp. 13811 Old Sheridan St. Southwest ranches, FL 33330, USA.

Phone Number: +1-305-8775357

2. Hazard(s) identification

Hazard Classification: Not classified

Label Elements:

Hazard Symbol: No symbol

Signal Word: No signal word.

Hazard Statement: Not applicable

Precautionary Statements

Hazard(s) not otherwise classified (HNOC): None

3. Composition/information on ingredients

Substances

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
oil with a high content of polyunsaturated fatty acids			>=58%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition Comments: No hazardous ingredients.

The exact concentration has been withheld as a trade secret.



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4. First-aid measures

Description of necessary first-aid measures

General information: Pay attention to self-protection. Remove victims from hazardous area. Immediately remove soiled or soaked clothing and remove it to a safe distance. Keep victim warm, in a stabilized position and covered. Do not leave the victim unattended. Place patients who are unconscious but breathing in the stabilized lateral position.

Inhalation: Inhalation is possible if aerosols, mists, dusts, or smoke form. Move to fresh air. With labored breathing: Provide with oxygen. Consult a doctor immediately. If the casualty is not breathing: Perform mouth-to-mouth resuscitation, notify emergency physician immediately.

Skin Contact: Wash off affected area immediately with plenty of water for at least 15 minutes. Get medical attention if any discomfort continues.

Eye contact: With eye held open, thoroughly rinse immediately with plenty of water for at least 10 minutes. In case of persistent discomfort: Consult an ophthalmologist.

Ingestion: Rinse mouth. Immediately give large quantities of water to drink. Seek medical advice.

Personal Protection for First-aid Responders: In case of fire: wear a self-contained respiratory apparatus

Most important symptoms/effects, acute and delayed

Symptoms: None known.

Hazards: Other dangerous properties cannot be excluded.

Indication of immediate medical attention and special treatment needed

Treatment: This substance does not have any noteworthy noxious potential. Damage to health is thus not expected.

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Alcohol resistant foam. Dry chemical.

Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical: None known.

Special protective equipment and precautions for firefighters

Special firefighting procedures: Contaminated extinguishing water must be treated at a suitable disposal plant in accordance with waste management laws. Water used to extinguish fire should not enter drainage systems, soil or stretches of water. In case of fire, remove the endangered containers and bring to a safe place, if this can be done safely. Use water spray to cool unopened containers. Fire residues should be disposed of in accordance with the regulations. Pay attention to self-protection. Keep unauthorized personnel away.

Special protective equipment for fire-fighters: In case of fire: wear a self-contained respiratory apparatus



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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Keep unauthorized personnel away.

Methods and material for containment and cleaning up: Wipe up with absorbent material (e.g., cloth, fleece). Clean contaminated surface thoroughly. Pack and label wastes like the pure substance. Do not detach label from the delivery containers prior to disposal. Disposal according to local authority regulations.

Environmental Precautions: Observe regulations on prevention of water pollution (check, dam up, cover up). Do not allow entrance in sewage water, soil, stretches of water, drainage systems, surface water. If the product contaminates rivers and lakes or drains inform respective authorities.

7. Handling and storage

Handling

Technical measures (e.g., Local, and general ventilation): Ensure suitable suction/aeration at the workplace and with operational machinery. Provide for installation of emergency shower and eye bath.

Take precautionary measures against static discharges.

Safe handling advice: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin, and clothing. If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used. Avoid contact with eyes, skin, and clothing. Always close container tightly after removal of product. Avoid residues of the product on the containers. In case of extensive air contact (e.g., soaked rags, moistened clothes) an exothermic autooxidation (self-ignition) is possible.

Contact avoidance measures: No data available.

Hygiene measures: Do not inhale vapor, aerosols, mist. Take off contaminated clothing and wash it before reuse. Do not eat, drink, smoke, or sniff while at work. Wash your hands and/or face before breaks and before termination of work. Preventive skin protection is recommended. Use barrier cream regularly. Private clothes and working clothes should be kept separately.

Storage

Safe storage conditions: To ensure due transportation, make certain that stacks are of the correct height, containers are securely fastened so as not to fall off, and labelled according to the regulations. Store in the original receptacle, keeping this tightly sealed, under cool and dry conditions. Normal measures for preventive fire protection. Ensure there are sufficient retaining facilities for water used to extinguish fire.

Safe packaging materials: No data available.

Storage Temperature: ≤ 25 °C





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8. Exposure controls/personal protection

Control Parameters Occupational Exposure Limits: None of the components have assigned exposure limits.

Appropriate Engineering Controls: Ensure suitable suction/aeration at the workplace and with operational machinery. Provide for installation of emergency shower and eye bath. Take precautionary measures against static discharges.

Individual protection measures, such as personal protective equipment

Eye/face protection: Safety glasses with side-shields conforming to EN166 or When handling larger quantities: basket-shaped glasses

Skin Protection

Hand Protection: Material: Nitrile. Guideline: DIN EN 374. Additional Information: Applies to handling for brief periods or of small amounts Material: Nitrile/Chloroprene. Guideline: DIN EN 374

Additional Information: Applies to handling for longer periods or of large amounts Additional Information: Selection of protective gloves to meet the requirements of specific workplaces., Suitability for specific workplaces should be clarified with protective glove manufacturers., The information is based on our own tests, references from the literature and information from glove manufacturers, or derived by analogy with similar materials., Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature).Additional Information: The above mentioned hand protection is based on knowledge of the chemistry and anticipated uses of this product but it may not be appropriate for all workplaces. A hazard assessment should be conducted prior to use to ensure suitability of gloves for specific work environments and processes prior to use.

Skin and Body Protection: Select materials and equipment for physical protection depending on the concentration and volume of hazardous substances and the workplace involved. A safety shower and eye wash fountain should be readily available. To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

Respiratory Protection: If gas/fumes/aerosols occur for short periods: Respirator with brown A-type filter in the event of prolonged exposure during handling: If aerosol or mists are formed: wear a self-contained respiratory apparatus Note time limit for wearing respiratory protective equipment.



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9. Physical and chemical properties as oil!

Appearance

Physical state:

Powder

Form:

Oily powder

Color:

Light color

Odor:

Characteristic

Odor Threshold:

No data available.

pH:

No data available.

Freezing point as oil:

Not determined.

Boiling Point as oil:

270 - 302 °C Decomposes below the boiling point.

Flash Point as oil:

> 200 °C (DIN EN ISO 2719 (Pesky-Martens, Closed Cup))

Evaporation Rate:

Not determined.

Flammability (solid, gas):

Not applicable liquid

Explosive limit - upper:

Not determined.

Vapor pressure:

Not determined.

Relative vapor density:

Not determined.

Density:

0.94 g/cm³

Relative density:

No data available.

Solubility in Water:

Insoluble

Solubility (other):

No data available.

Partition coefficient (n-octanol/water):

Not applicable

Self-Ignition Temperature:

390 °C (Regulation (EC) No. 440/2008, Annex, A.15)

Decomposition Temperature:

250.7 - 320.4 °C Exothermic decomposition at high temp.

Kinematic viscosity:

No data available.

Dynamic viscosity:

Not determined.

Other information

Explosive properties:

Not explosive

Oxidizing properties:

Not to be expected in view of the structure



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10. Stability and reactivity as oil

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical Stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	Risk of spontaneous ignition on entry of air
Conditions to avoid:	Sun rays, heat, heat effect Exposure to Air
Incompatible Materials:	Strong acids and strong bases Oxidizing agents.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). Peroxides.

11. Toxicological information

Information on likely routes of exposure

Inhalation:	Relevant route of exposure. Information on effects is given below.
Skin Contact:	Relevant route of exposure. Information on effects is given below.
Eye contact:	Relevant route of exposure. Information on effects is given below.
Ingestion:	If handled correctly, not a relevant route of exposure. Information on effects are given below.

Symptoms related to the physical, chemical, and toxicological characteristics

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.



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