Section 1 – Product and Company Identification

1.1 GHS Product Identifier : All FAEE Products, to include but not limited to the following:
C20 Fatty Acid Ethyl Esters (FAEE)
C22 Fatty Acid Ethyl Esters (FAEE)
Mixed Fatty Acid Ethyl Esters (FAEE)
OLE Fatty Acid Ethyl Esters (FAEE)
MUEE Fatty Acid Ethyl Esters (FAEE)

Product Number : 300005; 300006; 300080; 300081; 300082.

Other means of identification : Concentrated Fish Oil Fatty Acids

Chemical Formula : No data available.

CAS Number : 91051-07-9

EC Number : 293-056-2

1.2 Recommended use : Manufacture of substances.

1.3 Supplier's detail : Wiley Companies
1245 South 6th Street
Coshocton, Ohio 43812.
(740)622-0755.

1.4 Emergency Telephone number : (800)633-8253.
International number : (801)629-0667.

Section 2 – Hazards Identification

2.1 GHS Classification of the substance or mixture
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Not a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements
Not a hazardous substance or mixture.

2.3 Hazards not otherwise classified or not covered by GHS
Not a hazardous substance or mixture.

Section 3 - Composition / Information on Ingredients

Substance/Mixture

Chemical name : Fatty Acids from Fish Oil

Synonyms : Concentrated Fish Oil Fatty Acids

Formula : No data available.

CAS number : 91051-07-9

Components

Component	Classification	Concentration
C18-C22 Polyunsaturated Fatty Acid Ethyl Esters	No data available.	50-90%
C18-C22 Monounsaturated Fatty Acid Ethyl Esters	No data available.	10-60%
C18-C22 Saturated Fatty Acid Ethyl Esters	No data available.	0-20%

Section 4 - First Aid Measures

4.1 Description of necessary first aid measures

If inhaled
Remove person to fresh air. Consult a physician if necessary.
If breathing is stopped, administer artificial respiration if trained to do so.

In case of skin contact
Flush with copious amounts of water for at least 15 minutes. Consult a physician if necessary.

In case of eye contact
Flush with copious amounts of water for at least 15 minutes. Consult a physician if necessary.

If ingested
Rinse mouth out with water.
Never give liquid to an unconscious person.
Consult a physician if necessary.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling section 2.2. May cause irritation in contact with skin and eyes. May cause irritation by inhalation. May cause irritation when ingested.
Hot oil may cause thermal burn at contact point.
No data available.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

No data available.
Note to physicians: Treat symptomatically.

Section 5 – Fire Fighting Measure

5.1 Extinguishing media

Suitable extinguishing media

Appropriate resistant foam,
Carbon dioxide,
Dry chemical.

Unsuitable extinguishing media

Do not use water; water causes the oil to float and burning will spread a fire.

5.2 Specific hazards arising from the chemical

Carbon oxides.

5.3 Special protective equipment for fire fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH for firefighters (approved or equivalent) and full protective gear.

5.4 Special precautions for fire fighters

Cool vessels and containers with sprayed water. Containers may explode when heated. Vapours can accumulate in low areas. Evacuate all personnel from the danger area. Remove ignition sources if safe to do so. Vapors can be ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharge, or other ignition sources at locations distant from product release point.

Section 6 – Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures.

Use personal protective equipment. Wear self-contained breathing apparatus when entering area unless atmosphere is proven to be safe. Avoid breathing vapours, mist or gas. Prevent further leakage or spillage if safe to do so. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Evacuate personnel to safe areas. Prevent contamination of soil, drains and surface water. Take up residue with

absorbent material and dispose of in accordance with all local, state and federal regulations.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and materials for containment and cleaning up

Utilize non-sparking tools.
For large spills, dike far ahead of liquid spill for later disposal.
Cover liquid spill with sand, earth or other non-combustible absorbent material.
Pump up spilled material and transfer to properly labeled containers.
Take up residue with absorbent material and dispose of in accordance with all local, state and federal regulations.

Section 7 – Handling and Storage

7.1 Precautions for safe handling

Wear all appropriate personal protective equipment.
Avoid contact with skin, eyes and clothing.
Avoid vapour inhalation.
Wash contaminated clothing before reuse.
Do not eat, drink or smoke when using this product.
Ensure good ventilation and local exhaust extraction in work place.
Keep away from source of ignition.
Use only non-sparking tools.
Use only explosion-proof equipment.
Keep containers tightly closed when not in use.

7.2 Conditions for safe storage, including any incompatibilities

Store material in D.O.T. approved containers.
Follow all applicable local, state, and federal regulations.
Store away from strong oxidizers.
Avoid direct sunlight.
Material is air and light sensitive.

Shop rags and waste paper containing this material may heat and burn spontaneously. When material presenting large surface area (ie: rags, waste paper, filter clay, etc.) is saturated with distillate, spontaneous combustion may result.

Section 8 – Exposure Controls / Personal Protection

8.1 Control parameters

Occupational exposure limits

Contains no substances with occupational exposure limit values.

8.2 Appropriate engineering controls

Engineering Controls:
Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area. Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs.

8.3 Individual protection measures

Administrative Controls:
Handle in accordance with good industrial hygiene and safety practice. When workplace conditions warrant respirator use, follow a respiratory protection program that meets OSHA 29 CFR 1910.134, ANSI Z88.2, or MSHA 30 CFR 72.710 (where applicable). Use an air-supplied or air-purifying cartridge if the action level is exceeded. Ensure that the respirator has the appropriate protection factor for the exposure level. If cartridge type respirators are used, the cartridge must be appropriate for the chemical exposure (e.g., an organic vapor cartridge). For emergencies or instances with unknown exposure levels, use a self-contained breathing apparatus (SCBA).

Wear protective eyeglasses or chemical safety goggles, when necessary per OSHA eye and face protection regulations (29 CFR 1910.133).
Wear face shield and safety glasses as approved under appropriate government standards (NIOSH or EN 166).
Wear chemically protective gloves.
Wear a chemically protective suit.
Wear flame retardant protective clothing.
Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.
Launder contaminated work clothes before reuse.

Section 9 – Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	:	Light yellow liquid.
Odour	:	Mild fatty acid odour.
Odour Threshold	:	No data available.
pH	:	No data available.
Melting point/freezing point	:	-44°C (-47.2°F).
Initial boiling point and	:	No data available.

boiling point range		
Flash point	:	>60.5°C (>141°F)
Evaporation rate	:	No data available.
Flammability (solid, gas)	:	No data available.
Upper/lower flammability Or explosive limits	:	Lower flammability limit: No data available. Upper flammability limit: No data available.
Vapour pressure	:	No data available.
Vapour density	:	No data available.
Relative density	:	No data available.
Water solubility	:	Insoluble.
Partition coefficient: n-octanol/water	:	No data available.
Auto-ignition Temperature	:	No data available.
Decomposition Temperature	:	No data available.
Viscosity	:	No data available.
Molecular weight	:	No data available.

Section 10 – Stability and Reactivity

10.1 Reactivity
No data available.

10.2 Chemical stability
This material is stable at room temperature in closed containers under normal storage and handling conditions.

10.3 Possibility of hazardous reactions
No data available.

10.4 Conditions to avoid
Avoid contact with strong oxidizing agents.
Pure oxygen.
Heat, flames and other sources of ignition.
Contact with hot material may cause severe thermal burns.

10.5 Incompatible materials
Strong oxidizing agents.

10.6 Hazardous decomposition products

Thermal oxidative decomposition of this material can produce carbon oxides.

Shop rags and waste paper containing this material may heat and burn spontaneously. When material presenting large surface area (ie: rags, waste paper, filter clay, etc.) is saturated with distillate, spontaneous combustion may result.

Section 11 – Toxicological Information

11.1 Information on toxicological effects

Acute toxicity
No data available.

Skin corrosion/irritation
No data available.

Serious eye damage/eye irritation
No data available.

Respiratory or skin sensitization
No data available.

Germ cell mutagenicity
No data available.

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
No data available.

Specific target organ toxicity – single exposure

No data available.

Specific target organ toxicity – repeated exposure
No data available.

Aspiration hazard
No data available.

Information on the likely routes of exposure
Inhalation, Skin, Ingestion.

Symptoms related to the physical, chemical and toxicological characteristics
No data available.

Delayed and immediate effects and also chronic effects from short and long-term exposure
Inhalation of mist or vapour may act as a slight irritant to skin and lungs or a mild allergen. Prolonged skin contact could result in dermatitis in sensitive individuals. Ingestion of large quantities may cause gastrointestinal track irritation.

Numeric measures of toxicity
No data available.

Section 12 – Ecological Information

12.1 Toxicity
No data available.

12.2 Persistence and degradability
No data available.

12.3 Bioaccumulative potential
No data available.

12.4 Mobility in soil
No data available.

12.5 Other adverse effects
No data available.
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Section 13 – Disposal Considerations

13.1 Disposal Methods

Follow all applicable local, state, and federal regulations.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 14 – Transport Information

	DOT	IMDG	IATA
UN number			
UN proper shipping name	Not regulated goods	Not regulated goods	Not regulated goods
Transport hazard class			
Packing group			
Marine pollutant			

Section 15 – Regulatory Information

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
Fire hazard.

Section 16 – Other Information

	HMIS		
Health - Chronic			NFPA
Health Hazard	0	Health Hazard	0
Flammability	2	Fire Hazard	2
Physical	1	Reactivity	1

Prepared By:
Wiley Companies.
The EH&S Department.

Disclaimer: The information contained herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, Wiley Companies makes no representations as to its accuracy and sufficiency. Conditions of use are beyond Wiley Companies control and therefore users are responsible to verify this data is accurate under their own operating conditions to determine whether the product is suitable for their particular purposes. The user assumes all risks for their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process. Wiley Companies and its employees shall not be liable for any loss or damage arising out of the use thereof.