

**Safety Data Sheet**

according to UN GHS (ST/SG/AC.10/11/Rev.10)

**NATURAL OLEIC ACID 80% ENRICHED SUNFLOWER OIL FRACTION**

Revision date: 24.07.2023

Product code: 281500WW

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

NATURAL OLEIC ACID 80% ENRICHED SUNFLOWER OIL FRACTION

Substance name: NATURAL OLEIC ACID 80% ENRICHED SUNFLOWER OIL FRACTION  
CAS No: 112-80-1

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

Manufacturing of: - Air care products - Perfumes, fragrances - Pharmaceuticals - Cosmetics, personal care products - Flavouring Substances - Other

**1.3. Details of the supplier of the safety data sheet**

Company name: Axxence Aromatic GmbH  
Street: Tackenweide 28  
Place: D-46446 Emmerich am Rhein  
Telephone: + 49 2822 68561 0  
Telefax: + 49 2822 68561 39  
E-mail: info@axxence.com  
Contact person: Safety Team  
Telephone: + 49 2822 68561 0  
E-mail: safety-documentation@axxence.com  
Internet: www.axxence.de  
Responsible Department: Safety Management

**1.4. Emergency telephone number:**

+49 2822 68561 99

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****UN GHS (ST/SG/AC.10/11/Rev.10)**

This mixture is not classified as hazardous in accordance with UN-GHS (Rev. 9).

**2.2. Label elements****2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

Sum formula: C18 H34 O2  
Molecular weight: 282,47 g/mol

**Relevant ingredients**

CAS No	Chemical name	Quantity
	Classification (UN GHS (ST/SG/AC.10/11/Rev.10))	
112-80-1	NATURAL OLEIC ACID	80 - 90 %
60-33-3	NATURAL LINOLEIC ACID	0 - 10 %
57-10-3	NATURAL PALMITIC ACID (HEXADECANOIC) Aquatic Acute 3, Aquatic Chronic 3; H402 H412	0 - 6 %
57-11-4	NATURAL STEARIC ACID	0 - 7 %

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**SECTION 4: First aid measures****4.1. Description of first aid measures****After inhalation**

Provide fresh air.

**After contact with skin**

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.

**After ingestion**

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink 1 glass of water.

**4.2. Most important symptoms and effects, both acute and delayed**

No information available.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

**5.2. Special hazards arising from the substance or mixture**

Non-flammable.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Use personal protection equipment.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

**6.3. Methods and material for containment and cleaning up****For cleaning up**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

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#### Advice on safe handling

No special measures are necessary.

#### Advice on protection against fire and explosion

No special fire protection measures are necessary.

#### Advice on general occupational hygiene

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

Keep container tightly closed.

##### Hints on joint storage

No special measures are necessary.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

#### 8.2. Exposure controls

##### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Wear eye protection/face protection.

##### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

##### Skin protection

Use of protective clothing.

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state:	Liquid	
Colour:		
Melting point/freezing point:		17 °C
Boiling point or initial boiling point and boiling range:		360 °C
Flammability:		not determined
Lower explosion limits:		not determined
Upper explosion limits:		not determined
Flash point:		>110 °C
Auto-ignition temperature:		250 °C
Decomposition temperature:		not determined
pH-Value:		not determined
Water solubility:		practically insoluble
Solubility in other solvents		
not determined		
Partition coefficient n-octanol/water:		ca. 7

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Vapour pressure: (at 20 °C)	<0,1 hPa
Vapour pressure: (at 50 °C)	1,5 hPa
Density (at 20 °C):	0,89 g/cm <sup>3</sup>
Relative vapour density:	not determined

#### 9.2. Other information

##### Information with regard to physical hazard classes

Explosive properties

The product is not: Explosive. not explosive according to EU A.14

Oxidizing properties

The product is not: oxidising.

##### Other safety characteristics

Evaporation rate: not determined

Solvent content: 0%

Solid content: 7%

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

#### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

#### 10.4. Conditions to avoid

none

#### 10.5. Incompatible materials

No information available.

#### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

Based on available data, the classification criteria are not met.

##### ATEmix calculated

ATE (oral) > 5000 mg/kg; ATE (dermal) > 5000 mg/kg; ATE (inhalation vapour) > 50 mg/l; ATE (inhalation dust/mist) > 12,5 mg/l

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
112-80-1	NATURAL OLEIC ACID				
	oral	LD50 mg/kg    25000	Rat	GESTIS Datenbank	
	dermal	LD50 mg/kg    >3000	Guinea pig	Hazardous Substances Data Bank (Pubchem)	
60-33-3	NATURAL LINOLEIC ACID				
	oral	LD50 mg/kg    >50000	Rat	PubChem	
57-10-3	NATURAL PALMITIC ACID (HEXADECANOIC)				
	oral	LD50 mg/kg    >10000	Rat	PubChem	
57-11-4	NATURAL STEARIC ACID				
	oral	LD50 mg/kg    >6000	Rat	REACH registration	OECD 401
	dermal	LD50 mg/kg    >5000	Rabbit	GESTIS Stoffdatenbank	

#### **Irritation and corrosivity**

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

#### **Sensitising effects**

Based on available data, the classification criteria are not met.

#### **Carcinogenic/mutagenic/toxic effects for reproduction**

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

#### **STOT-single exposure**

Based on available data, the classification criteria are not met.

#### **STOT-repeated exposure**

Based on available data, the classification criteria are not met.

#### **Aspiration hazard**

Based on available data, the classification criteria are not met.

### **11.2. Information on other hazards**

#### **Endocrine disrupting properties**

No information available.

#### **Further information**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

## SECTION 12: Ecological information

### **12.1. Toxicity**

The product is not: Ecotoxic.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
112-80-1	NATURAL OLEIC ACID					
	Acute fish toxicity	LC50 205 mg/l	96 h	Pimephales promelas (fathead minnow)	Hazardous Substances Data Bank (Pubchem)	
57-10-3	NATURAL PALMITIC ACID (HEXADECANOIC)					
	Acute fish toxicity	LC50 >1000 mg/l	96 h	Danio rerio (zebrafish)	REACH reg.	OECD 203
	Acute algae toxicity	ErC50 >0,9 mg/l	72 h	Pseudokirchneriella subcapitata	REACH reg.	OECD 201
	Acute crustacea toxicity	EC50 >4,8 mg/l	48 h	Daphnia magna (Big water flea)	REACH reg.	OECD 202
	Acute bacteria toxicity	EC50 >3000 mg/l ( )	0,5 h	Pseudomonas putida	REACH reg.	DIN 38472 Part 27

#### **12.2. Persistence and degradability**

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
57-10-3	NATURAL PALMITIC ACID (HEXADECANOIC)			
	ISO 10708	65%	28	REACH Dossier
	Readily biodegradable (according to OECD criteria).			
	ISO 10708	47%	14	REACH Dossier
	Readily biodegradable (according to OECD criteria).			
	ISO 10708	25%	7	REACH Dossier
	Readily biodegradable (according to OECD criteria).			
57-11-4	NATURAL STEARIC ACID			
	STURM TEST	95%	21	REACH registration
	Readily biodegradable (according to OECD criteria).			
	STURM TEST	69%	12	REACH registration
	Readily biodegradable (according to OECD criteria).			
	STURM TEST	53%	9	REACH registration
	Readily biodegradable (according to OECD criteria).			

#### **12.3. Bioaccumulative potential**

The product has not been tested.

##### **Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
112-80-1	NATURAL OLEIC ACID	7,7
60-33-3	NATURAL LINOLEIC ACID	7,05
57-10-3	NATURAL PALMITIC ACID (HEXADECANOIC)	7,17
57-11-4	NATURAL STEARIC ACID	8,23

##### **BCF**

CAS No	Chemical name	BCF	Species	Source
57-10-3	NATURAL PALMITIC ACID (HEXADECANOIC)	255		REACH Registration
57-11-4	NATURAL STEARIC ACID	234-288	Danio rerio (zebrafish)	REACH registration

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**12.4. Mobility in soil**

The product has not been tested.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

No information available.

**Further information**

Avoid release to the environment.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

**Contaminated packaging**

Wash with plenty of water. Completely emptied packages can be recycled.

**SECTION 14: Transport information****Marine transport (IMDG)**

<b>14.1. UN number or ID number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)**

<b>14.1. UN number or ID number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

No information available.

**14.7. Maritime transport in bulk according to IMO instruments**

not applicable

**SECTION 15: Regulatory information****National regulatory information****SECTION 16: Other information****Changes**

This data sheet contains changes from the previous version in section(s): 1.

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**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
CLP: Classification, labelling and Packaging  
REACH: Registration, Evaluation and Authorization of Chemicals  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
UN: United Nations  
DNEL: Derived No Effect Level  
DMEL: Derived Minimal Effect Level  
PNEC: Predicted No Effect Concentration  
ATE: Acute toxicity estimate  
LL50: Lethal loading, 50%  
EL50: Effect loading, 50%  
EC50: Effective Concentration 50%  
ErC50: Effective Concentration 50%, growth rate  
NOEC: No Observed Effect Concentration  
BCF: Bio-concentration factor  
PBT: persistent, bioaccumulative, toxic  
vPvB: very persistent, very bioaccumulative  
RID: Regulations concerning the international carriage of dangerous goods by rail  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)  
EmS: Emergency Schedules  
MFAG: Medical First Aid Guide  
ICAO: International Civil Aviation Organization  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
SVHC: Substance of Very High Concern  
For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>  
For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*