

Safety Data Sheet

NATURAL OLEIC ACID 80% ENRICHED SUNFLOWER OIL FRACTION

Revision date: 07/24/2023

Product code: 281500US

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1. Identification**Product identifier**

NATURAL OLEIC ACID 80% ENRICHED SUNFLOWER OIL FRACTION

Recommended use of the chemical and restrictions on use**Use of the substance/mixture**

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

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
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Responsible Department:	QM - Regulatory Affairs	

Emergency phone number: +49 2822 68561 99**2. Hazard(s) identification****Classification of the chemical****Regulation (EC) No 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

Label elements**Regulation (EC) No 1272/2008****Special labelling of certain mixtures**

EUH210 Safety data sheet available on request.

Hazards not otherwise classified

No information available.

3. Composition/information on ingredients**Mixtures**

Sum formula:	C18 H34 O2
Molecular weight:	282,47

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Hazardous components

CAS No	Components			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
112-80-1	NATURAL OLEIC ACID			80 - 90 %
	204-007-1			
60-33-3	NATURAL LINOLEIC ACID			0 - 10 %
	200-470-9			
57-10-3	NATURAL PALMITIC ACID (HEXADECANOIC)			0 - 6 %
	200-312-9		01-2119538235-41	
	Aquatic Chronic 3; H412			
57-11-4	NATURAL STEARIC ACID			0 - 7 %
	200-313-4		01-2119543894-28	

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Components	Quantity
		Specific Conc. Limits, M-factors and ATE	
112-80-1	204-007-1	NATURAL OLEIC ACID	80 - 90 %
		dermal: LD50 = >3000 mg/kg; oral: LD50 = 25000 mg/kg	
60-33-3	200-470-9	NATURAL LINOLEIC ACID	0 - 10 %
		oral: LD50 = >50000 mg/kg	
57-10-3	200-312-9	NATURAL PALMITIC ACID (HEXADECANOIC)	0 - 6 %
		oral: LD50 = >10000 mg/kg	
57-11-4	200-313-4	NATURAL STEARIC ACID	0 - 7 %
		dermal: LD50 = >5000 mg/kg; oral: LD50 = >6000 mg/kg	

4. First-aid measures

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.

Most important symptoms and effects, both acute and delayed

No information available.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

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Suitable extinguishing media

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

Specific hazards arising from the chemical

Non-flammable.

Special protective equipment and precautions for fire-fighters

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.

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

Use personal protection equipment.

Environmental precautions

Do not allow to enter into surface water or drains.

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.

Reference to other sections

Safe handling: see section 7

Personal protection equipment (PPE): see section 8

Disposal: see section 13

7. Handling and storage**Precautions for safe handling****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.

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.

Specific end use(s)

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

8. Exposure controls/personal protection

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Control parameters

Exposure limits

CAS No	Substance	ppm	mg/m ³	f/cc	Category	Origin
57-11-4	Stearic acid (inhalable particulate matter)		10		TWA (8 h)	ACGIH-2022

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
57-10-3	NATURAL PALMITIC ACID (HEXADECANOIC)			
Worker DNEL, long-term		inhalation	systemic	17,6 mg/m ³
Worker DNEL, long-term		dermal	systemic	10 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	4,3 mg/m ³
Consumer DNEL, long-term		dermal	systemic	5 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	2,5 mg/kg bw/day
57-11-4	NATURAL STEARIC ACID			
Worker DNEL, long-term		inhalation	systemic	17,6 mg/m ³
Worker DNEL, long-term		dermal	systemic	10 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	4,3 mg/m ³
Consumer DNEL, long-term		dermal	systemic	5 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	2,5 mg/kg bw/day

Exposure controls

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye/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.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	Liquid
Color:	
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

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

Other information

Information with regard to physical hazard classes

Explosive properties

The product is not: Explosive. not hazard of explosion 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%

10. Stability and reactivity

Reactivity

No hazardous reaction when handled and stored according to provisions.

Chemical stability

The product is stable under storage at normal ambient temperatures.

Possibility of hazardous reactions

No known hazardous reactions.

Conditions to avoid

none/none

Incompatible materials

No information available.

Hazardous decomposition products

No known hazardous decomposition products.

11. Toxicological information

Information on toxicological effects

Acute toxicity

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

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CAS No	Components				
	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

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

Sensitizing effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

Specific target organ toxicity (STOT) - single exposure

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

Specific target organ toxicity (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.

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].

12. Ecological information

Ecotoxicity

The product is not: Ecotoxic.

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CAS No	Components					
	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

Persistence and degradability

The product has not been tested.

CAS No	Components				
	Method	Value	d	Source	
	Evaluation				
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).				

Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Components	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	Components	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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Mobility in soil

The product has not been tested.

Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

The product has not been tested.

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.

Other adverse effects

No information available.

Further information

Avoid release to the environment.

13. Disposal considerations

Waste treatment methods

Disposal recommendations

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

List of Wastes Code - used product

160306 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes other than those mentioned in 16 03 05

List of Wastes Code - contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

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

14. Transport information

Land transport (ADR/RID)

UN number or ID number:

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

Packing group:

No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

UN number or ID number:

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

Packing group:

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

UN number or ID number:

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

Packing group:

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

UN number or ID number:

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

Packing group:

No dangerous good in sense of this transport regulation.

Environmental hazards

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ENVIRONMENTALLY HAZARDOUS: No

Special precautions for user

No information available.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

16. Other information

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

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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).

Relevant H statements (full text)

H412 Harmful to aquatic life with long lasting effects

EUH210 Safety data sheet available on request.

Other data

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.

Identified uses

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	Flavour	-	4	28	-	-	-	-	Flavour

LCS: Life cycle stages

PC: Product categories

ERC: Environmental release categories

TF: Technical functions

SU: Sectors of use

PROC: Process categories

AC: Article categories

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