

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

Product form : Substance
Trade name : SOFTISAN® 378
Chemical name : Glycerides, C8-18
EC-No. : 287-487-5
CAS-No. : 85536-06-7
REACH registration No : 01-2119964461-36-0000

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1. Relevant identified uses**

Use of the substance/mixture : Industrial use
Raw material for chemistry
Cosmetic products

1.2.2. Uses advised against

No additional information available

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

IOI Oleo GmbH
Arthur-Imhausen-Str. 92
D-58453 Witten - Germany
T +49 40 280031-0

Email competent person

MSDS@ioioleo.de

1.4. Emergency telephone number

Emergency number : National Health Service (NHS)
24 hour national number consumer
England and Scotland: 111
Wales: 0845 46 47
Northern Ireland: call your local General Practitioner

Call 999 if there is a life-threatening incident.

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available.

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

No labelling applicable

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients**3.1. Substances**

Name	Product identifier	%
Glycerides, C8-18	(CAS-No.) 85536-06-7 (EC-No.) 287-487-5 (REACH-no) 01-2119964461-36-0000	-

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according to Regulation (EC) No. 1907/2006 (REACH)

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: If symptoms persist, call a physician.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Gently wash with plenty of soap and water. Get medical advice if skin irritation persists.
First-aid measures after eye contact	: Rinse eyes with water as a precaution. Consult an ophthalmologist if irritation persists.
First-aid measures after ingestion	: Rinse mouth. Do not give an unconscious person anything to drink. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

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

Symptoms/effects : No additional 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	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Strong water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon dioxide. Carbon monoxide.

5.3. Advice for firefighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information	: Do not allow run-off from fire fighting to enter drains or water courses. Disposal must be done according to official regulations. Cool closed containers exposed to fire with water spray.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Spills of this product present a serious slipping hazard.

6.1.1. For non-emergency personnel

Protective equipment : Concerning personal protective equipment to use, see section 8.
Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Wear personal protective clothing (see chapter 8). For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.
Other information : Disposal must be done according to official regulations.

6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container closed when not in use.
Incompatible materials : No additional information available.
Information about storage in one common storage facility : Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

No additional information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Glycerides, C8-18 (85536-06-7)	
PNEC (Water)	
PNEC aqua (freshwater)	0.024 mg/l
PNEC aqua (marine water)	0.002 mg/l
PNEC aqua (intermittent, freshwater)	0.056 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.11 mg/kg dwt
PNEC sediment (marine water)	0.011 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	0.8 mg/l

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

In case of repeated or prolonged contact wear gloves. Chemically resistant protective gloves. Nitrile rubber. EN 374. Apply emollient cream. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear

Eye protection:

Safety glasses. EN 166

Skin and body protection:

Wear suitable protective clothing. EN 340. EN ISO 13982

Respiratory protection:

No respiratory protection needed under normal use conditions. In case of insufficient ventilation, wear suitable respiratory equipment. Dust production: dust mask with filter type P1. P2. EN 143. Breathing equipment is only to be used in order to handle the residual risk of short term jobs if all other risk minimizing measures have been carried out e.g. retention and/or local exhaust

Environmental exposure controls:

Avoid release to the environment.

Other information:

Wash hands before breaks and after work. Do not breathe dust.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: light yellow.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: Not applicable
Melting point	: 39.1 °C (1013hPa, DIN EN ISO 6321)
Freezing point	: Not applicable
Boiling point	: > 400 °C (101kPa, ASTM E 737-76)
Flash point	: Not applicable
Auto-ignition temperature	: (Solid Melting point < 160 °C)
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not flammable
Vapour pressure	: < 0.001 Pa Quantitative structure-activity relationship (QSAR)
Relative vapour density at 20 °C	: Not applicable
Relative density	: No data available
Density	: 0.91 - 1.03 g/cm ³ (20 °C; Quantitative structure-activity relationship (QSAR))
Solubility	: Water: 2 - 3 mg/l (20 °C, pH 6-7; ASTM E 1148-02)
Log Pow	: > 2.292 (23 °C; (OECD 117 method))
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosive properties	: Product is not explosive.
Oxidising properties	: Non oxidizing.
Explosive limits	: No data available

9.2. Other information

dropping point	: 39-42 °C
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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available.

10.2. Chemical stability

Stable under normal conditions. To avoid thermal decomposition, do not overheat.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

Overheating. Protect from sunlight.

10.5. Incompatible materials

No additional information available.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Inhalation:dust,mist: Not classified.

Glycerides, C8-18 (85536-06-7)

LD50 oral rat	> 2000 mg/kg (OECD 401 method)
LD50 dermal rat	> 2000 mg/kg ((OECD 402 method); Read-across: CAS 620-67-7)

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LC50 inhalation rat (mg/l)	> 1.86 mg/l (6h; (OECD 403 method); Read-across: CAS 73398-61-5; Maximum concentration)
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: In animal experiments (rabbit): no irritant effect (Draize-Test)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: In animal experiments (rabbit): no irritant effect Read-across
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: No sensitizing reaction was observed for guinea pigs (OECD 406 method) Read-across
Germ cell mutagenicity	: Ames-test: negative (Based on available data, the classification criteria are not met)
Additional information	: Ames-test: negative Mouse lymphoma assay (OECD 476): negative Mutagenicity (mammalian cell test): chromosomes aberration negative (OECD 473 method) Read-across
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: (OECD 422 method) Read-across
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)

Glycerides, C8-18 (85536-06-7)

NOAEL (oral, rat, 90 days)	> 1000 mg/kg bodyweight/day ((OECD 422 method); Read-across: CAS 91052-13-0)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met. Not relevant)

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified

Glycerides, C8-18 (85536-06-7)

LC50 fish 1	> 10000 mg/l (96h; Brachydanio rerio (zebra-fish); (ISO 7346-1); Read-across: CAS 8001-78-3)
EC50 Daphnia 1	5.6 mg/l (48 h; Daphnia magna; (OECD 202 method); Read-across)
ErC50 (algae)	13 mg/l (72 h; Desmodesmus subspicatus; (OECD 201 method); Read-across: CAS 91052-49-2)
NOEC chronic algae	1.19 mg/l (72h; Desmodesmus subspicatus; (OECD 201 method))
EC50, Pseudomonas putida	> 0,8 mg/l (18 Hours, Read-across: CAS 122-32-7)
NOEC, activated sludge, domestic	46,9 mg/l (14 days, (OECD 301B method); Read-across: CAS 85536-07-8)
NOEC, Eisenia foetida	≥ 1000 mg/Kg (14 days, (OECD 207 method); Read-across: CAS 91052-28-7)

12.2. Persistence and degradability

Glycerides, C8-18 (85536-06-7)

Persistence and degradability	Readily biodegradable.
Biodegradation	64 % (28d ; ISO 10708)

12.3. Bioaccumulative potential

Glycerides, C8-18 (85536-06-7)

Log Pow	> 2.292 (23 °C; (OECD 117 method))
Bioaccumulative potential	No additional information available.

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12.4. Mobility in soil

Glycerides, C8-18 (85536-06-7)	
Log Koc	0.42 - 14.2
Ecology - soil	No additional information available.

12.5. Results of PBT and vPvB assessment

Glycerides, C8-18 (85536-06-7)	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

12.6. Other adverse effects

Other adverse effects : No additional information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Disposal must be done according to official regulations. European waste catalogue. Do not dispose of with domestic waste. Do not discharge into drains or the environment.

Product/Packaging disposal recommendations : Do not re-use empty containers without proper cleaning or reconditioning.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Glycerides, C8-18 is not on the REACH Candidate List

Glycerides, C8-18 is not on the REACH Annex XIV List

Other information, restriction and prohibition regulations

: A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

A chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

General revision.

Section	Changed item	Change	Comments
1.1	Chemical name	Added	
1.4	Emergency number	Modified	
8.1	PNEC	Added	
11	Toxicological information	Modified	
12.	Ecological information	Modified	

Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
PBT	Persistent Bioaccumulative Toxic
vPvB	Very Persistent and Very Bioaccumulative
CAS	Chemical Abstract Service
LC50	Median lethal concentration
LD50	Median lethal dose
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
EC50	Median effective concentration
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006

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SDS	Safety Data Sheet
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
IARC	International Agency for Research on Cancer
PNEC	Predicted No-Effect Concentration
STP	Sewage treatment plant
TLM	Median Tolerance Limit

Data sources : IUCLID-Dossier from ECHA.
Department issuing data : KFT Chemieservice GmbH
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Safety Data Sheet Service: +49 6155 8981-522
Contact person : Dr. Dagmar Hofmann
Other information : Version/s 2.02 is/are not available in this language.

KFT SDS EU 00

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product