



SECTION 1 Identification

1.1. Product identifier

Product form : Substance
Trade name : MIGLYOL® 812 N
Chemical name : Glycerides, mixed decanoyl and octanoyl
CAS-No. : 73398-61-5

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Raw material, Pharmaceutical industry, Cosmetic products, Manufacturing of food

1.4. Supplier's details

Supplier

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

Email competent person

MSDS@ioioleo.de

Branch Office

Acidchem (USA) Inc.
201 West Passaic Street, Suite 100
Rochelle Park, NJ 07662
USA

1.5. Emergency phone number

Emergency number : For Hazardous Materials [or Dangerous Goods] Incidents
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300
Outside USA and Canada: +1 703-741-5970 (collect calls accepted)
Poison control (USA) 1-800-222-1222

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Not classified

2.2. Label elements

GHS US labeling

No labeling applicable

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

No additional information available

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SECTION 3 Composition/information on ingredients

3.1. Substances

Name	Product identifier	%	GHS US classification
Glycerides, mixed decanoyl and octanoyl (Main constituent)	CAS-No.: 73398-61-5	-	Not classified

Full text of hazard classes and H-statements : see section 16

3.2. Mixtures

Not applicable

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: If symptoms persist, call a physician. If medical advice is needed, have product container or label at hand.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If symptoms persist, call a physician.
First-aid measures after skin contact	: Wash skin with plenty of water. Get medical advice if skin irritation persists.
First-aid measures after eye contact	: Rinse thoroughly and plentifully with water, also under the eyelids. Consult an ophthalmologist if irritation persists. Rinse eyes with water as a precaution.
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. Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects	: No additional information available.
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4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	: Treat symptomatically.
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SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide. Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	: Strong water jet.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon dioxide. Carbon monoxide.
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5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information	: Spilled material may present a slipping hazard. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Dispose of in accordance with relevant local regulations. Disposal must be done according to official regulations.

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SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Spilled material may present a slipping hazard.

For non-emergency personnel

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

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Concerning personal protective equipment to use, see section 8. For further information refer to section 8: "Exposure controls/personal protection".

Environmental precautions : Prevent entry to sewers and public waters. Avoid sub-soil penetration.

6.2. Methods and materials for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Take up liquid spill into absorbent material, e.g.: sand, saw dust. Clean using water and a detergent. Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal.

Other information : Shovel into suitable and closed container for disposal. Disposal must be done according to official regulations.

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

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. Avoid contact with eyes.

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 incompatibilities

Storage conditions : Store in a well-ventilated place. Store tightly closed in a dry and cool place. Protect from light. Keep cool.

Information about storage in one common storage facility : Keep away from food, drink and animal feeding stuffs. Keep away from strong oxidizers.

Specific end uses : No additional information available.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

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8.3. Individual protection measures, such as personal protective equipment

Hand protection:

In case of repeated or prolonged contact wear gloves. ISO 374-1. Nitrile rubber. 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. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer

Eye protection:

Use splash goggles when eye contact due to splashing is possible. ISO 16321-1

Skin and body protection:

Wear suitable protective clothing. EN 13034. EN ISO 13688

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. EN 143. Filter A (colour code: brown). 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

Other information:

Wash hands before breaks and after work.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Color	: light yellow
Odor	: odorless
Odor threshold	: No data available
pH	: No data available
Melting point	: < 0 °C
Freezing point	: < -5 °C
Boiling point	: No data available
Flash point	: ≈ 250 °C (Closed cup)
Flammability (solid, gas)	: Not applicable
	Not applicable.
Vapor pressure	: < 0.01 Pa (20°C)
Relative vapor density at 20°C	: No data available
Relative density	: 0.93 – 0.96
Density	: 0.94 g/cm ³ (20°C)
Solubility	: Water: Insoluble
Partition coefficient n-octanol/water (Log Pow)	: 8.2 – 10.9 Quantitative structure-activity relationship (QSAR)
Auto-ignition temperature	: Not self-igniting
Decomposition temperature	: No data available
Viscosity, kinematic	: 26.596 – 35.106 mm ² /s
Viscosity, dynamic	: 25 – 33 mPa·s (20°C)
Explosion limits	: Not applicable
Explosive properties	: Product is not explosive.
Oxidizing properties	: Non oxidizing material.
Particle characteristics	: No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

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SECTION 10 Stability and reactivity

10.1. Reactivity

No additional information available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat. Protect from light.

10.5. Incompatible materials

Strong oxidizing agent.

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 (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

Glycerides, mixed decanoyl and octanoyl (73398-61-5)

LD50 dermal rat	> 2000 mg/kg (79/831/EWG, Annex V, Part B; Read-across: CAS 91845-19-1; No deaths occurred)
LC50 Inhalation - Rat	> 1.86 mg/l (6h; spray; eq. (OECD 403 method); Maximum concentration; No deaths occurred)

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: No data available

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: No data available

Respiratory or skin sensitization : Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

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)
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, mixed decanoyl and octanoyl (73398-61-5)

NOAEL (oral,rat,90 days)	5000 mg/kg bodyweight/day ((OECD 408 method); Read-across: CAS 8001-79-4)
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Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

Glycerides, mixed decanoyl and octanoyl (73398-61-5)

Viscosity, kinematic	26.596 – 35.106 mm²/s
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Symptoms/effects : No additional information available.

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SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - water	: Due to the consistency along with the low water solubility of the product a bioavailability is unlikely.
Hazardous to the aquatic environment, short-term (acute)	: Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic)	: Not classified (Based on available data, the classification criteria are not met)

Glycerides, mixed decanoyl and octanoyl (73398-61-5)

EC50 - Crustacea [1]	> 100 mg/l (48 h; Daphnia magna; No toxic effects observed up to the highest concentration achievable in water)
ErC50 algae	> 0.449 mg/l (72 h; Desmodesmus subspicatus; EU Method C.3; No toxic effects observed up to the highest concentration achievable in water)
NOEC (chronic)	≥ 0.449 mg/l (72 h; Desmodesmus subspicatus; EU Method C.3)
NOEC chronic crustacea	≥ 0.01 mg/l (21 d; Daphnia magna; (OECD 211 method); Read-across CAS 65381-09-1; No toxic effects observed up to the highest concentration achievable in water)
NOEC chronic algae	≥ 0.449 mg/l (72 h; Desmodesmus subspicatus; EU Method C.3; No toxic effects observed up to the highest concentration achievable in water)

12.2. Persistence and degradability

Glycerides, mixed decanoyl and octanoyl (73398-61-5)

Persistence and degradability	Readily biodegradable.
Biodegradation	> 60 % (28 d; ISO 10708)

12.3. Bioaccumulative potential

Glycerides, mixed decanoyl and octanoyl (73398-61-5)

Partition coefficient n-octanol/water (Log Pow)	8.2 – 10.9 Quantitative structure-activity relationship (QSAR)
Bioaccumulative potential	Potentially bioaccumulable.

12.4. Mobility in soil

Glycerides, mixed decanoyl and octanoyl (73398-61-5)

Organic Carbon Normalized Adsorption Coefficient (Log Koc)	> 4 (Calculation method)
Ecology - soil	Adsorbs into the soil.

12.5. Other adverse effects

Ozone	: Not classified
Fluorinated greenhouse gases	: No

SECTION 13 Disposal considerations

Waste treatment methods	: Disposal must be done according to official regulations. 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. Recycle or dispose of in compliance with current legislation.

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SECTION 14 Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
14.1. UN number		
Not applicable	Not regulated	Not regulated
14.2. Proper Shipping Name		
Not applicable	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not applicable	Not regulated	Not regulated
14.4. Packing group		
Not applicable	Not regulated	Not regulated
14.5. Environmental hazards		
Not applicable	Not regulated	Not regulated
No supplementary information available		

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

Not applicable

IMDG

Not regulated

IATA

Not regulated

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

No additional information available

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

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SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Revision date : 5/26/2025

Issue date : 5/26/2025

Data sources : European Chemicals Agency, <http://echa.europa.eu/>. Information provided by the manufacturer.

Department issuing data specification sheet: : KFT Chemieservice GmbH
Im Leuschnerpark 3
D-64347 Griesheim

Phone: +49 69 305 34 700

Fax: +49 69 305 86 500

SDS Service: +49 69 305 34 740

Contact person : Dr. Jutta Kilschautzky

Abbreviations and acronyms	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CAS	Chemical Abstract Service
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
PBT	Persistent Bioaccumulative Toxic
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
LC50	Median lethal concentration
LD50	Median lethal dose
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
IARC	International Agency for Research on Cancer
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organization for Economic Co-operation and Development
STP	Sewage treatment plant

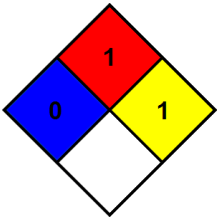
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Abbreviations and acronyms	
TLM	Median Tolerance Limit

- NFPA health hazard
- : 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.
- NFPA fire hazard
- : 1 - Materials that must be preheated before ignition can occur.
- NFPA reactivity
- : 1 - Materials that in themselves are normally stable but can become unstable at elevated temperatures and pressures.



Indication of changes:
General revision.

KFT SDS US 06 - Version 24.2

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.