



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date: 03.08.2017

Version: 3.01

Revision: 03.08.2017

SECTION 1: Identification of the substance/mixture and of the company/undertaking

· **1.1 Product identifier**

· Trade name: **MIGLYOL® Coco 810**

· CAS Number:

95912-86-0

· EC number:

306-082-7

· Registration number: 01-2119970887-16-0001

· **1.2 Relevant identified uses of the substance or mixture and uses advised against:** No further relevant information available.

· **Application of the substance / the preparation:**

Raw material for industrial applications

Cosmetic raw material

Lubricants

Grease

Separating agent

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

· **Supplier/Manufacturer:**

IOI Oleo GmbH

Zur Hafenspitze 15

D-19322 Wittenberge

Tel.: ++49-40-280031-0

· **Email competent person:** MSDS@ioioleo.de

· **Information department:** See supplier/manufacturer

· **1.4 Emergency telephone number:**

National Poison Information Service (NPIS)

24 hour national number professionals only

0844 892 0111

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** The substance is not classified according to the CLP regulation.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable due to data

· **vPvB:** Not applicable due to data

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SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterisation: Substances**
- **CAS No. Description:**
95912-86-0 Fatty acids, C8-10, C12-18-alkyl esters
- **Identification number(s):**
- **EC number:** 306-082-7

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**
No special measures required.
If symptoms persist or in case of doubt, seek medical advice.
- **After inhalation:** Supply fresh air; consult a doctor in case of pain.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
Remove contaminated clothes and shoes.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse the eyes with open eyelids for 10 - 15 minutes with water.
First check the victim for contact lenses and remove if present.
If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting.
If symptoms persist, consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** Symptomatic treatment

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
Fire-extinguishing powder
Sand
Foam
Carbon dioxide (CO₂)
Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** High volume water jet
- **5.2 Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Irritant gases/vapours
Carbon dioxide (CO₂)
Carbon monoxide (CO)
- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
DIN EN 133
- **Additional information:**
Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing.
- Avoid the formation of aerosol.
- Do not breathe aerosol or vapors.
- Ensure adequate ventilation.
- Avoid contact with eyes and skin.

· 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

- Avoid the formation of aerosol and vapor.
- Do not allow to enter sewers/ surface or ground water.
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Make sure to recycle or dispose of in suitable receptacles.

· 6.4 Reference to other sections

- See Section 7 for information on safe handling
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of aerosols.
- Avoid contact with eyes and skin.
- Avoid contact with clothing.

· Information about protection against explosions and fires:

- Store away from open flames, sources of heat or sparks.



Keep ignition sources away - Do not smoke.

- Observe the general rules of industrial fire protection.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by storerooms and receptacles:

- Store in well-ventilated area.
- Store at ambient temperatures and under dry conditions.

· Information about storage in one common storage facility:

- Store away from foodstuffs.
- Store away from feed.
- Store away from acids.
- Do not store together with alkalis (caustic solutions).
- Store away from oxidising agents.

· Further information about storage conditions: Keep receptacle tightly sealed.

· Storage class: 10 Combustible liquids

· 7.3 Specific end use(s) No further relevant information available

SECTION 8: Exposure controls/personal protection

· Additional information about design of technical systems:

- Install appropriate mechanical ventilation.
- No further data; see section 7.

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- **8.1 Control parameters**
- **Components with limit values that require monitoring at the workplace:** Not required
- **Additional information:** The lists that were valid during the creation were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Do not eat, drink, smoke or sniff while working.
Wash hands before breaks and at the end of work.
Use skin protection cream for skin protection.
- **Breathing equipment:**
At formation of aerosols and mist:
Self-contained respiratory protective device
DIN EN 133
DIN EN 141
Full mask with filter: ABEK-P2
- **Protection of hands:**
After use of gloves apply skin-cleaning agents and skin cosmetics.
The glove material has to be impermeable and resistant to the product/substance/preparation.
Selection of the glove material in consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves:**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material:**
The exact penetration time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**
Safety glasses with side shields
EN 166
- **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties	
· General Information:	
· Appearance:	
Form:	Liquid
Colour:	Light yellow
· Odour:	Characteristic
· Odour threshold:	Not determined
· pH-value:	Not determined
· Change in condition:	
Melting point/freezing point:	10 °C (1013hPa, EU Method A.1)
Initial boiling point and boiling range:	>300 °C (read across) Decomposition is likely.
· Flash point:	203 °C (1013hPa, EU Method A.9)
· Flammability (solid, gas):	Not highly flammable
· Ignition temperature:	240 °C (1014-1019hPa, EU A.15)
· Decomposition temperature:	Not determined
· Self ignition temperature:	Not determined
· Explosive properties:	Product does not present an explosion hazard.

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· Explosion limits:	
Lower:	Not applicable
Upper:	Not applicable
· Vapour pressure at 20 °C:	≤0.000145 Pa (QSAR)
· Density at 20 °C:	0.859 g/cm ³ (DIN 51757)
· Relative density at 25 °C:	0.85-0.86 g/cm ³
· Vapour density:	Not determined
· Evaporation rate:	Not determined
· Solubility in / Miscibility with Water at 20 °C:	<0.05 mg/l (pH 6,2-6,5. EU Method A.6)
· Partition coefficient: n-octanol/water:	log Kow ≥8.72 (QSAR)
· Viscosity:	
dynamic:	Not determined
kinematic at 20 °C:	10.6 mm ² /s (ASTM D7042-11/DIN 51562)
· 9.2 Other information	No further relevant information available

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications
To avoid thermal decomposition do not overheat.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available
- **10.5 Incompatible materials:**
Strong acids
Bases
Alkalis
Oxidants
- **10.6 Hazardous decomposition products:**
No hazardous decomposition products if instructions for storage and handling are followed

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values that are relevant for classification:**
Oral LD₅₀ >2000 mg/kg (mouse)
Dermal LD₅₀ >2000 mg/kg (rat) (OECD 402)
test material: CAS 3687-46-5
Inhalative LC₅₀/4 h >5.7 mg/l (rat) (OECD 436)
test material: CAS 26399-02-0
- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritating effect species: rabbit OECD test 404
- **Serious eye damage/irritation** No irritating effect species: rabbit (eye) OECD test 405
- **Respiratory or skin sensitisation** Not sensitising (OECD 429 - Local Lymph Node Assay)
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**
- **Germ cell mutagenicity**
Ames-test: negative
Mouse lymphoma assay (OECD 476): negative

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Mutagenicity (mammalian cell test): chromosomes aberration negative
OECD Guideline 473

• **Carcinogenicity** No data available

• **Reproductive toxicity**

Oral NOAEL(developmental) 300 mg/kg bw/day (rat) (OECD 422)
test material: CAS 59231-34-4

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

• **STOT-single exposure** No data available

• **STOT-repeated exposure**

Oral NOAEL 300 mg/kg bw/d (rat) (OECD 422)
subacute
test material: CAS 59231-34-4

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

• **Aspiration hazard** No data available

SECTION 12: Ecological information

• **12.1 Toxicity**

• **Aquatic toxicity:**

No harmful effect on fish, daphnia and algae up to its limit of solubility.

EC₁₀ > 1000 mg/l (activated sludge, domestic) (OECD 209)
3h

NOEC/21d ≥ 10 mg/l (Daphnia magna) (OECD 211)

NOEC/72 h ≥ 1000 mg/l (Desmodesmus subspicatus) (OECD 201)
nominal, loading rate

NOEC/96h ≥ 100 mg/l (Danio rerio) (OECD 203)
nominal, loading rate

• **12.2 Persistence and degradability** Readily biodegradable

• **Other information:**

Biological degradation: 67% after 28 days
(OECD 301C)

• **12.3 Bioaccumulative potential**

No bioaccumulation to be expected
Readily biodegradable

• **12.4 Mobility in soil** Adsorption to solid soil phase is possible.

• **Adsorption coefficient K_{oc}:** log K_{oc} >5 (QSAR)

• **Additional ecological information:**

• **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous to water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Follow producer's instructions for use.

• **12.5 Results of PBT and vPvB assessment**

• **PBT:** Not applicable due to data

• **vPvB:** Not applicable due to data

• **12.6 Other adverse effects** No further relevant information available

SECTION 13: Disposal considerations

• **13.1 Waste treatment methods**

• **Recommendation:**

Must be recycled or disposed of according to the regulations. Waste has to be classified according to the European Waste Catalogue based on the identification of the waste generating source.

Disposal according to instructions of local authorities

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- **Uncleaned packagings:**
- **Recommendation:**
Package must be disposed like the product.
Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN-Number · ADR, ADN, IMDG, IATA	Void
· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void
· 14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class	Void
· 14.4 Packing group · ADR, IMDG, IATA	Void
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable
· Transport/Additional information:	Not dangerous according to the above regulations
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** Substance is not listed.
- **National regulations**
- **Water hazard class:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
Ident number.: 3079
- **15.2 Chemical safety assessment:**
A Chemical safety Assessment has been carried out.
A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Reasons for amendments:** Layout
- **Replaces version dated:** 19.02.2016
- **Department issuing SDS:**
KFT Chemieservice GmbH
Im Leuschnerpark. 3 64347 Griesheim
Postfach 1451 64345 Griesheim
Germany

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• **Contact:** Dr. Rebecca Hiltrop• **Abbreviations and acronyms:**

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

• **Sources:** Chemical Safety Report• * **Data compared to the previous version altered.**

Changes have been made to sections marked with a *, as compared to the previous version.