

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

Printing date: 03.03.2016

Version: 2.03

Revision: 03.03.2016

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**• Trade name: **MIGLYOL® 812 N (F)**

• CAS Number:

73398-61-5

• EC number:

277-452-2

• Registration number: 01-2119492306-35-0001

• 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:

Cosmetic raw material

Manufacturing of food

1.3 Details of the supplier of the safety data sheet

• Supplier/Manufacturer:

IOI Oleo GmbH

Arthur-Imhausen Str. 92

D-58453 Witten

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: Substance characteristics do not meet screening criteria.

• vPvB: Substance characteristics do not meet screening criteria.

SECTION 3: Composition/information on ingredients**3.1 Chemical characterisation: Substances**

• CAS No. Description:

73398-61-5 Glycerides, mixed decanoyl and octanoyl

• Identification number(s):

• EC number: 277-452-2

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· **INCI:** Caprylic/Capric-Triglycerides**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
- **General information:** 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:** Wash with water and soap.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:**
 - Rinse mouth with water.
 - Drink plenty of water, but never give anything to an unconscious person.
 - 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:**
 - Foam
 - Fire-extinguishing powder
 - Carbon dioxide (CO₂)
 - Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** Water
- **5.2 Special hazards arising from the substance or mixture**
 - In case of fire, the following can be released:
 - Noxious gases/vapours
- **5.3 Advice for firefighters**
- **Protective equipment:**
 - Do not inhale combustion vapours.
 - Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
 - Wear protective clothing.
 - Product forms slippery surface when combined with water.
- **6.2 Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **6.3 Methods and material for containment and cleaning up:**
 - 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 8 for information on personal protection equipment.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
 - Ensure good ventilation/exhaustion at the workplace.
 - Keep away from heat and direct sunlight.
- **Information about protection against explosions and fires:** 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 at ambient temperature.

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- **Information about storage in one common storage facility:**
 - Store away from foodstuffs.
 - Store away from feed.
 - 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:** No further data; see section 7.

8.1 Control parameters

- **Components with limit values that require monitoring at the workplace:** Not required

DNELs

Abbreviations:

In = Industrial

Prof = Professional

Cons = Consumer

LLE = Long term, local effects

LSE = Long term, systemic effects

SLE = Short term, local effects

SSE = Short term, systemic effects

73398-61-5 Glycerides, mixed decanoyl and octanoyl

Oral DNEL/Cons/LSE 12.61 mg/kg bw/day (human)

Dermal DNEL/Cons/LSE 12.61 mg/kg bw/day (human)

DNEL/In/LSE 25.21 mg/kg bw/day (human)

Inhalative DNEL/Cons/LSE 43.84 mg/m³ (human)DNEL/In/LSE 177.79 mg/m³ (human)**PNECs**

Since the substance has no potential for bioaccumulation no PNEC oral was derived.

No long term toxicity to aquatic organisms expected. Therefore no derivation of PNEC.

- **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:**

The usual precautionary measures should be adhered to when handling chemicals.

Wash hands before breaks and at the end of work.

Use skin protection cream for skin protection.

Breathing equipment:

Under normal conditions of use not required

At formation of aerosols and mist:

Short term filter device:

Filter A (colour code: brown)

Filter A-P2

Full mask with filter: ABEK-P2

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.

- **Protection of hands:** Chemical resistant gloves (EN 374)

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.

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- **Eye protection:** Safety glasses
- **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:	Odourless
· Odour threshold:	Not applicable
· pH-value at 23 °C:	~6
· Change in condition:	
Melting point/Melting range:	<0 °C
Boiling point/Boiling range:	Not determined
· Flash point:	~220 °C (DIN ISO 2592)
· Flammability (solid, gaseous):	Not applicable
· Ignition temperature:	Not determined
· Decomposition temperature:	Not determined
· Self ignition temperature:	Product is not self-igniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not applicable
Upper:	Not applicable
· Oxidizing properties:	None
· Vapour pressure:	Not determined
· Density:	Not determined
· Relative density at 20 °C:	0.93-0.96
· Vapour density:	Not determined
· Evaporation rate:	Not determined
· Dissociation constant pKa	Not determined
· Solubility in / Miscibility with Water:	Inmiscible
· Partition coefficient (n-octanol/water):	>8 (23 °C) pH 6,2; OECD 117
· Viscosity:	
dynamic at 20 °C:	25-33 mPas
kinematic:	Not determined
· 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

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- To avoid thermal decomposition do not overheat.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid**
 - Strong heating
 - Dirt
 - Chemical contamination
 - Sunlight, UV or ionizing radiation
- **10.5 Incompatible materials:** Strong 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:**
 - 73398-61-5 Glycerides, mixed decanoyl and octanoyl**
 - Oral LD₅₀ >2000 mg/kg (mouse)
 - Dermal LD₅₀ >2000 mg/kg (rat)
RA from 91845-19-1
 - Inhalative LC₅₀/6h >1.86 mg/l (rat)
max. attainable conc.
- **Primary irritant effect:**
- **Skin corrosion/irritation**
 - Skin irritation test (rabbit): no irritation
 - EPA OPP 81-5
- **Serious eye damage/irritation**
 - Skin irritation test (rabbit): no irritation
 - EPA OPP 81-4
- **Respiratory or skin sensitisation**
 - No sensitisation species: guinea pig OECD 406
(Buehler Test)
 - In analogy to similar products
- **CMR effects (carcinogenicity, mutagenicity and toxicity 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**

73398-61-5 Glycerides, mixed decanoyl and octanoyl

Oral NOAEL (P) 1000 mg/kg bw/day (rat) (OECD 422)
NOAEL(developmental) 1000 mg/kg bw/day (rat) (OECD 422)
RA from 91052-13-0

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**

73398-61-5 Glycerides, mixed decanoyl and octanoyl

Oral NOAEL 1000 mg/kg/day (rat) (OECD 422)
5000 mg/kg bw/d (rat) (OECD 408)
90 d
RA from 8001-79-4

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

- **Aspiration hazard** Based on available data, the classification criteria are not met.

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SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** The product is insoluble in water; therefore it is not dangerous to water organisms if applied appropriately.
- **12.2 Persistence and degradability** Readily biodegradable
- **Henry's Law constant H [atm m³/mol]** 0.000034 Pa m³/mol at 25 °C (QSAR)
- **Other information:**
Biological degradation: > 60% after 28 days
BODIS-Test; ISO 10708
- **12.3 Bioaccumulative potential** log P (o/w) > 3 - Considerable bioaccumulation is to be expected.
- **12.4 Mobility in soil** strong adsorption to soil
- **Adsorption coefficient K_{oc}:**
(calculated)
> 5000
- **Additional ecological information:**
- **General notes:** Not hazardous to water according to VwVwS (German regulation) appendix 1 dated 17.05.1999
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Substance characteristics do not meet screening criteria.
- **vPvB:** Substance characteristics do not meet screening criteria.
- **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
- **Uncleaned packagings:**
- **Recommendation:** 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

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· UN "Model Regulation":	Void
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*** 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:**
Generally not hazardous for water
Not hazardous for water
- **15.2 Chemical safety assessment:** 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.

- **Replaces version dated:** Version/s 1. 00 - 2. 02 is/are not available in this language.

- **Department issuing SDS:**
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- **Contact:** Dr. Rebecca Hiltrop

- **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)

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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

- *** Data compared to the previous version altered.**

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