

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

Printing date: 22.06.2012

Version: 1

Revision: 22.06.2012

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

1.1 Product identifier· Trade name: **MIGLYOL 810 N**

· 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:**· **Uses advised against:** None of the identified uses is advised against.· **Application of the substance / the preparation:**

Cosmetic raw material

Pharmaceutical raw material

Manufacturing of food

1.3 Details of the supplier of the safety data sheet· **Supplier/Manufacturer:**

CREMER OLEO GmbH & Co. KG

Glockengiesserwall 3

20095 Hamburg

Germany

Tel.: +49-40-32011-0

Fax: +49-40-321757

· **Email competent person:** quality47@cremer-gruppe.com· **Information department:** See supplier/manufacturer· **1.4 Emergency telephone number:**

GIZ-Nord, Göttingen, Germany

+49 551 19240

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.· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** not applicable· **Information concerning particular hazards for human and environment:**

According to current European laws and regulations the product is not dangerous or toxic material (based on the available data).

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 characterization: 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.

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- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store at ambient temperature.
- **Information about storage in one common storage facility:**
 - Store away from foodstuffs.
 - Store away from feed.
 - Store away from oxidizing 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 item 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
 - 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

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· **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

· **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)

· **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 at 20°C:** ~0.95 g/cm³

· **Evaporation rate:** Not determined

· **Solubility in / Miscibility with**

· **Water:** Immiscible

· **Partition coefficient (n-octanol/water):** >8 (23°C)
pH 6,2; OECD 117

· **Viscosity:**

· dynamic at 20°C:	18 mPas
· kinematic:	Not determined

· **9.2 Other information** No further relevant information available

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SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **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**
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:**
- **LD/LC50 values that are relevant for classification:**
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:**
- **on the skin:**
Skin irritation test (rabbit): no irritation
EPA OPP 81-5
- **on the eye:**
No irritating effect
OPP 81-4
- **On respiratory tract:** No data available
- **Sensitization:**
No sensitization species: guinea pig OECD 406
(Buehler Test)
In analogy to similar products
- **Other information (about experimental toxicology):**
- **Carcinogenic, mutagenic effects and adverse effects on reproduction:**
Presently available data show no carcinogenic, mutagenic or teratogenic effects.
Oral NOAEL (P) 5000 mg/kg bw/day (rat) (OECD 422)
RA from 8001-79-4
1000 mg/kg bw/day (rat/female)
RA from 91052-13-0
NOAEL(developmental) 1000 mg/kg bw/day (rat) (OECD 422)
RA from 91052-13-0
NOAEL(developmental) of 4280 mg/kg bw/d upon i.v. appl. (RA from MCT)
- **Subacute to chronic toxicity:**
- **STOT-single exposure** No classification
- **STOT-repeated exposure:** No classification
- **Aspiration hazard** No classification

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· **Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

· **Repeated dose toxicity:**

Oral NOAEL 1000 mg/kg/day (rat) (OECD 422)

5000 mg/kg bw/d (rat) (OECD 408)

90 d

RA from 8001-79-4

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** Easily biodegradable

· **Henry's Law constant H [atm m³/mol]** 0.000034 Pa m³/mol at 25 °C

· **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 on the ground

· **Adsorption coefficient K_{oc}:**

(calculated)

> 5000

· **Additional ecological information:**

· **General notes:** Not hazardous to water according to VwVwS (German regulation) appendix 1 dated 27.7.2005

· **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:** 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

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· 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 MARPOL73/78 and the IBC Code	Not applicable
· UN "Model Regulation":	-

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Water hazard class:**
Not hazardous for water
Code No. according to catalog of water endangering substances: 760
- **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.

- **Department issuing MSDS:**
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Germany

Phone: +49 6155 86829-0 Fax: +49 6155 86829-25
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- **Contact:** Dr. Sonja Fischer
- **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
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