

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

Printing date: 27.09.2012

Version: 1

Revision: 27.09.2012

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

- **1.1 Product identifier**
- **Trade name:** **MIGLYOL 864**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against:** -
- **Uses advised against:** -
- **Application of the substance / the preparation:**
Raw material for industrial applications
Food chemistry
- **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.de
- **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 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).
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**
The classification was made according to the latest editions of the EC-lists and expanded using company data and specialized literature.
- **Additional information:** Product forms slippery surface when combined with water.
- **2.2 Label elements**
- **Labelling according to EU guidelines:**
The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).
Observe the general safety regulations when handling chemicals
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterization: Mixtures**
- **Description:**
Mixture based on:
CAS: 73398-61-5 Glycerides, mixed decanoyl and octanoyl
REACH-Nr.: 01-2119492306-35-00001
- **Dangerous components:** Void

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· **Additional information:** For the wording of the listed risk phrases refer to section 16.

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.
If symptoms persist, consult a doctor.
- **After eye contact:**
Rinse the eyes with open eyelids for 10 - 15 minutes with water.
If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse mouth with water.
Never give anything by mouth 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.
- **5.2 Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon dioxide (CO₂)
Carbon monoxide (CO)
- **5.3 Advice for firefighters**
- **Protective equipment:** 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.
Particular danger of slipping on leaked/spilled product.
- **6.2 Environmental precautions:**
Do not allow to enter sewers/ surface or ground water.
Do not allow to penetrate the ground/soil.
- **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 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special measures required.
- **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 container tightly sealed at a cool and dry place with sufficient ventilation.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None
- **Storage class:** 10-13 other combustible and non-combustible substances
- **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.
- **8.1 Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **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.
- **Breathing equipment:**
Under normal conditions of use not required
At formation of aerosols and mist:
Short term filter device:
Filter A (colour code: brown)
- **Protection of hands:**
Chemical resistant gloves
The glove material has to be impermeable and resistant to the product/substance/preparation.
Due to missing tests no recommendation to the glove material can be given for the product / preparation / chemical mixture.
Selection of the glove material in consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves:**
The selection of suitable gloves depends upon the material, and also upon the quality of the gloves. The degree of protection will vary from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **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:** Pasty
- **Colour:** Light yellow
- **Odour:** Characteristic
- **Odour threshold:** Not determined

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· pH-value:	Not determined
· Change in condition:	
Melting point/Melting range:	~50°C
Boiling point/Boiling range:	Not determined
· Flash point:	>180°C (DIN ISO 2592)
· Flammability (solid, gaseous):	Not applicable
· Ignition temperature:	
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 determined
Upper:	Not determined
· Oxidizing properties:	Not determined
· Vapour pressure:	Not determined
· Density at 20°C:	~0.95 g/cm ³
· Relative density:	Not determined
· Vapour density:	Not determined
· Evaporation rate:	Not determined
· Solubility in / Miscibility with Water:	Inmiscible
· Partition coefficient (n-octanol/water):	Not determined
· Viscosity:	
dynamic:	Not determined
kinematic:	Not determined
· 9.2 Other information	No further relevant information available

SECTION 10: Stability and reactivity

· 10.1 Reactivity

· 10.2 Chemical stability

· Thermal decomposition / conditions to be avoided:

To avoid thermal decomposition do not overheat.

No decomposition if used and stored according to specifications

· 10.3 Possibility of hazardous reactions

No dangerous reactions known

· 10.4 Conditions to avoid

Strong heating

Chemical contamination

Sunlight, UV or ionizing radiation

· 10.5 Incompatible materials:

No further relevant information available

· 10.6 Hazardous decomposition products:

No hazardous decomposition products if instructions for storage and handling are followed

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SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

· Acute toxicity:

· 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:

· on the skin:

Skin irritation test (rabbit): no irritation

EPA OPP 81-5

Glycerides, mixed decanoyl and octanoyl

· on the eye:

Skin irritation test (rabbit): no irritation

EPA OPP 81-4

Glycerides, mixed decanoyl and octanoyl

· Sensitization:

No sensitization species: guinea pig OECD 406
(Buehler Test)

Glycerides, mixed decanoyl and octanoyl

· Other information (about experimental toxicology):

· Carcinogenic, mutagenic effects and adverse effects on reproduction:

Presently available data show no carcinogenic, mutagenic or teratogenic effects.

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

· Subacute to chronic toxicity:

· STOT-single exposure

No classification

Glycerides, mixed decanoyl and octanoyl

· STOT-repeated exposure:

No classification

Glycerides, mixed decanoyl and octanoyl

· Aspiration hazard

Not relevant

Glycerides, mixed decanoyl and octanoyl

· Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

· Toxicokinetics, metabolism and distribution: Fatty acid glycerides are metabolized or stored in adipose tissue.

· Repeated dose toxicity:

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

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SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**
No harmful effect on fish, daphnia and algae up to its limit of solubility.
Glycerides, mixed decanoyl and octanoyl
- **12.2 Persistence and degradability**
Readily biodegradable
>60 %, 28 d
- **12.3 Bioaccumulative potential** No bioaccumulation to be expected
- **12.4 Mobility in soil**
strong Adsorption on the ground
Immobile
- **Adsorption coefficient Koc:**
>5000
(calculated)
- **Additional ecological information:**
- **General notes:**
Generally not hazardous for water
According to appendix 4 of VwVwS dated 27.7.2005 (German regulation)
- **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:** Adhering to the official regulations, it can be disposed of in an appropriate incinerator.
- **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 MARPOL73/78 and the IBC Code	Not applicable

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· **Transport/Additional information:** Not dangerous according to the above regulations

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Water hazard class:** Generally 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.

· **Department issuing MSDS:**

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· **Contact:** Dr. Nicole Rugen-Penkalla

· **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

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent