

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

Printing date: 04.26.2012

Version: 1

Revision: 07.31.2013

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

- **1.1 Product identifier**
- **Trade name:** MIGLYOL 8810
- **ELINCS Number:**  
424-180-9
- **Registration number:** 01-0000017065-75-0000
- **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  
Cosmetic raw material
- **1.3 Details of the supplier of the safety data sheet**
- **Supplier/Manufacturer:**  
Peter Cremer North America  
3117 Southside Avenue  
Cincinnati, OH 45204  
USA  
Tel: (513) 471-7200  
Toll: (877) 901-7262  
Fax: (513) 244-7775
- **Information department:** See supplier/manufacturer
- **1.4 Emergency telephone number:**  
CHEMTREC: 1-800-424-9300 (US and Canada) | 1-703-527-3887 (For calls originating elsewhere)

## 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).  
Heightened danger of slipping when the product is spilled on the floor.
- **2.2 Label elements**
- **Labeling 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
- **vPvB:** Not applicable

## SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterization: Substances**
- **CAS No. Description:**  
reaction mass of: but-1,3-diyl didecanoate, but-1,3-diyl  
dioctanoate, but-1,3-diyl 1-decanoate-3-octanoate, but-1,3-  
diyl 1-octanoate-3-decanoate

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- **Identification number(s):**
- **ELINCS Number:** 424-180-9

### 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:** Inhalation of product is unlikely.
- **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.  
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:**  
Carbon dioxide (CO<sub>2</sub>)  
Fire-extinguishing powder  
Foam  
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/vapors
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Do not inhale combustion vapors.  
Wear self-contained respiratory protective device.
- **Additional information:** Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Product forms slippery surface when combined with water. Wear protective clothing.
- **6.2 Environmental precautions:**  
Do not allow to penetrate the ground/soil.  
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** No special measures required.
- **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:** Not required
- **Information about storage in one common storage facility:**  
Store away from foodstuffs. Store away from feed.
- **Further information about storage conditions:** None
- **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:**  
Mechanical ventilation/exhaustion is strongly recommended. No further data; see item 7.
- **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:** The usual precautionary measures should be adhered to when handling chemicals.
- **Breathing equipment:**  
At formation of aerosols and mist:  
Short term filter device:  
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:**  
Protective 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 the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.  
Nitrile rubber, NBR  
Recommended thickness of the material:  $\geq 0.35$  mm  
Butyl rubber, BR  
Recommended thickness of the material:  $\geq 0.5$  mm
- **Penetration time of glove material:**  
 $\geq 30$  min  
The exact penetration time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling
- **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

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• Color:	Light yellow
• Odor:	Characteristic
• Odor threshold:	Not applicable
• pH-value:	Not determined
• Change in condition:	
Melting point/Melting range:	-25.8°C
Boiling point/Boiling range:	Not determined
• Flash point:	191°C
• Flammability (solid, gaseous):	Not applicable
• Ignition temperature:	
Decomposition temperature:	Not determined
• Self ignition temperature:	Not determined
• Danger of explosion:	Product does not present an explosion hazard.
• Explosion limits:	
Lower:	Not applicable
Upper:	Not applicable
• Vapor pressure at 20°C:	< 0.01 hPa
• Density at 20°C:	~0.91 g/cm <sup>3</sup>
• Relative density:	Not determined
• Vapor density:	Not determined
• Evaporation rate:	Not determined
• Solubility in / Miscibility with Water at 20°C:	< 0.001 g/l
• Segregation 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: 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
  - Dirt
  - 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:**
  - Oral LD<sub>50</sub> > 2000 mg/kg (rat) (OECD 401)
  - Dermal LD<sub>50</sub> > 2000 mg/kg (rat) (OECD 402)
- **Primary irritant effect:**
- **on the skin:**
  - Light irritation OECD Method: 404
  - Not to be classified
- **on the eye:** No irritating effect species: rabbit (eye) OECD test 405
- **Sensitization:**
  - No sensitization species: guinea pig OECD 406
  - No sensitizing effect in guinea pig in maximation test
- **Other information (about experimental toxicology):**
- **Carcinogenic, mutagenic effects and adverse effects on reproduction:**
  - Oral NOAEL (F1) 1000 mg/kg bw/day (rat) (OECD 416)
  - NOAEL (F2) 1000 mg/kg bw/day (rat) (OECD 416) NOAEL
  - (P) 1000 mg/kg bw/day (rat) (OECD 416)
  - NOAEL (maternal) 1000 mg/kg bw/day (rat) (OECD 414)
  - NOAEL(canc) 1000 mg/kg bw/day (rat) (OECD 414)
- **Subacute to chronic toxicity:**
- **STOT-single exposure** No classification
- **STOT-repeated exposure:** No classification
- **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 407)
    - 28 d
    - 1000 mg/kg bw/d (rat) (OECD 408)
    - 28 d

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**

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

  - EC<sub>50</sub> >1100 mg/l (bacteria) (OECD TG 209)
    - 3h
    - 264 mg/l (plants) (OECD 208)
      - Avena sativa
  - LC<sub>50</sub>/14d >1000 mg/l (Eisenia fetida) (OECD TG 207)
- **12.2 Persistence and degradability** No further relevant information available
- **Other information:**

The product is easily biodegradable.

Biological degradation: > 60% after 28 days

OECD TG 301 B
- **12.3 Bioaccumulative potential** No further relevant information available
- **12.4 Mobility in soil**

Low potential for adsorption to soil

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- Mobile in soil
- **Adsorption coefficient Koc:** 3,7
- **Additional ecological information:**
- **General notes:** Generally not hazardous for water
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable
- **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 packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

• <b>14.1 UN-Number</b> • <b>ADR, ADN, IMDG, IATA</b>	Void
• <b>14.2 UN proper shipping name</b> • <b>ADR, ADN, IMDG, IATA</b>	Void
• <b>14.3 Transport hazard class(es)</b> • <b>ADR, ADN, IMDG, IATA</b> • <b>Class</b>	Void
• <b>14.4 Packing group</b> • <b>ADR, IMDG, IATA</b>	Void
• <b>14.5 Environmental hazards:</b> • <b>Marine pollutant:</b>	No
• <b>14.6 Special precautions for user</b>	Not applicable
• <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable
• <b>Transport/Additional information:</b>	Not dangerous according to the above regulations
• <b>UN "Model Regulation":</b>	-

### 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  
According to appendix 3 of VwVwS dated 27.7.2005 (German regulation)  
Ident number.: 2956
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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### 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:**

Peter Cremer North America  
3117 Southside Avenue  
Cincinnati, OH 45204  
USA  
Tel: (513) 471-7200  
Toll: (877) 901-7262  
Fax: (513) 244-7775

- **Contact:** Sarah Keyes

- **Abbreviations and acronyms:**

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail  
ICAO: International Civil Aviation Organization  
ADR: 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 Labeling 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

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