

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

Printing date: 04.04.2012

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 840
- **CAS Number:**
68583-51-7
- **EC number:**
271-516-3
- **Registration number:**
This substance has (All substances contained in this mixture have) been pre-registered according to regulation (EC) No. 1907/2006 in its current version.
- **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
Basis for lubricants
Lubricants additives
- **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

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SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterization: Substances**
- **CAS No. Description:**
68583-51-7 Decanoic acid, mixed diesters with octanoic acid and propylene glycol
- **Identification number(s):**
- **EC number:** 271-516-3

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 (CO₂)
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 product to reach sewage system or any water course. 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.

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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** Avoid inhalation of vapors formed by heated product.
- **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:** Not required
- **Information about storage in one common storage facility:** Not required.
- **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.
- **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:** Goggles recommended during refilling
- **Body protection:** Protective work clothing

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General Information:	
Appearance:	
Form:	Liquid
Color:	Light yellow
Odor:	Odorless
Odor threshold:	Not applicable
pH-value:	Not determined
Change in condition:	
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined
Flash point:	> 210°C (DIN ISO 2592)
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:	Not determined
Density at 20°C:	0.91 g/cm ³
Relative density:	Not determined
Vapor density:	Not determined
Evaporation rate:	Not determined
Solubility in / Miscibility with	
Water:	Immiscible
Segregation coefficient (n-octanol/water):	Not determined
Viscosity:	
dynamic at 20°C:	~10 mPas
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 contaminants
 - Sunlight, UV or ionizing radiation
- 10.5 Incompatible materials:** No further relevant information available

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- **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 LD₁₀₀ > 2000 mg/kg (rat) (OECD 401)
- **Primary irritant effect:**
- **on the skin:**
No irritating effect
(Draize-Test)
- **on the eye:** Slight irritating effect species: rabbit (eye) OECD test 405
- **Sensitization:** No data available
- **Other information (about experimental toxicology):**
Ames-test: negative
OECD 471
- **Subacute to chronic toxicity:**
- **STOT-single exposure** No data available
- **STOT-repeated exposure:** No data available
- **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.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**
No harmful effect on fish, daphnia and algae up to its limit of solubility.
EC₁₀ > 990 mg/l (Pseudomonas putida)
(4,75 h)
- **12.2 Persistence and degradability** No further relevant information available
- **Other information:**
Biological degradation: > 60% after 28 days
OECD TG 301 B
- **12.3 Bioaccumulative potential** No further relevant information available
- **12.4 Mobility in soil** No further relevant information available
- **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.
Danger to drinking water is possible if large quantities leak into the ground or into water course.
- **Toxicity to soil dwelling organisms:**
LC50 (14d) > 1000 mg/kg (Eisenia fetida) (OECD TG 207)
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable
- **12.6 Other adverse effects** No further relevant information available

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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

• 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
• Transport/Additional information:	Not dangerous according to the above regulations
• 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:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
According to appendix 3 of VwVwS dated 27.7.2005 (German regulation)
Ident number.: 3044
- **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:**
Peter Cremer North America
3117 Southside Avenue
Cincinnati, OH 45204
USA
Tel: (513) 471-7200
Toll: (877) 901-7262

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• **Contact:** Sarah Keyes

• **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

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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