

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

Printing date: 06.28.2012

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 Gel T
- **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 product 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:**
No particular hazards known if handling and storing instructions are followed.
- **Additional information:** Product forms slippery surface when combined with water.
- **2.2 Label elements**
- **Labeling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements**
Safety data sheet available on request.
- **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
REACH-Nr.: 01-2119492306-35-0001

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• **Dangerous components:**

CAS: 108-32-7 propylene carbonate 1-5%

EINECS: 203-572-1 Xi R36

Index number: 607-194-00-1 Eye Irritant. 2, H319

• **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.

• **After eye contact:** Rinse opened eye for several minutes under running water.

• **After swallowing:**

Rinse mouth with water.

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:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant 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:** 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.

• 6.2 Environmental precautions:

Do not allow to penetrate the ground/soil.

Do not allow to enter sewers/ surface or ground water.

• 6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

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.

SECTION 7: Handling and storage

• **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.

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- **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:** 11 Combustible solids
- **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:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **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)
- **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
Use a suitable respiratory protective device in case of insufficient ventilation.
Short term filter device:
Filter P2 Filter P3
- **Protection of hands:**
Chemical resistant gloves
The glove material has to be impermeable and resistant to the product/substance/preparation.
Selection of the glove material in consideration of the penetration times, rates of diffusion and the degradation
After use of gloves apply skin-cleaning agents and skin cosmetics.
- **Material of gloves:**
Polychloroprene rubber (CR)
Butyl rubber, BR
- **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.
480 min (Butyl rubber 0.5 mm)
480 min CR (0.5 mm)

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- **As protection from splashes gloves made of the following materials are suitable:**
PVC gloves
(Thickness 0.5 mm; permeation time: ≥ 120)
- **Not suitable are gloves made of the following materials:**
Natural rubber, NR
Fluorocarbon rubber (FKM)
- **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:	Pasty
Color:	Light green
Odor:	Neutral
Odor threshold:	Not determined
pH-value:	Not determined
Change in condition:	
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not applicable
Flash point:	220°C
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 applicable
Upper:	Not applicable
Oxidizing properties:	Non-oxidizing
Vapor pressure:	
	Not relevant Not applicable
Density at 20°C:	~ 0.9 g/cm ³
Relative density:	Not determined
Vapor density:	Not applicable
Evaporation rate:	Not determined
Solubility in / Miscibility with	
Water:	Immiscible
Partition coefficient (n-octanol/water): Not determined	
Viscosity:	
dynamic:	High-viscosity
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
- **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

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**
 - 108-32-7 propylene carbonate**
 - Oral LD₅₀ > 2000 mg/kg (rat) (OECD 401)
Literature data
 - Dermal LD₅₀ > 2000 mg/kg (rabbit)
Literature data
 - 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:** No irritating effect
- **on the eye:**
 - Irritation (rabbit eye) (OECD 405)
(Propylencarbonate)
- **On respiratory tract:** No data available
- **Sensitization:** No sensitizing effects known
- **Other information (about experimental toxicology):**
 - Micronucleus Test: mouse: negative (OECD 474)
(Propylencarbonate)
- **Carcinogenic, mutagenic effects and adverse effects on reproduction:**
 - Presently available data show no carcinogenic, mutagenic or teratogenic effects.
- **108-32-7 propylene carbonate**
 - Oral NOAEL (maternal) 1000 mg/kg bw/day (rat) (OECD 414)
10d
 - NOAEL(developmental) 5000 mg/kg bw/day (rat) (OECD 414)
10d
Literature data

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73398-61-5 Glycerides, mixed decanoyl and octanoyl

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

- **Subacute to chronic toxicity:**
- **STOT-single exposure** No classification
- **STOT-repeated exposure:** No classification
- **Aspiration hazard** Not relevant
- **Repeated dose toxicity:**

108-32-7 propylene carbonate

Oral NOAEL 5000 mg/kg bw/d (rat) (OECD 408)
90d

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

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**
108-32-7 propylene carbonate
EC₁₀ 7400 mg/l (Pseudomonas putida)
EC₅₀/48h (static) > 100 mg/l (Daphnia magna) (OECD 202)
IC₅₀/72h > 100 mg/l (des) (OECD 201)
LC₅₀/96h > 100 mg/l (Cyprinus carpio) (OECD 203)
semistatic
NOEC 2200 mg/l (Leuciscus idus)
- **12.2 Persistence and degradability** The single components are biodegradable.
- **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.
- **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:**
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.
- **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

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Technical guidance (air):**
- **Class Share in %:**
• NK 4.9
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water
- **15.2 Chemical safety assessment:**

Glycerides, mixed decanoyl and octanoyl
For that matter a chemical safety assessment has 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.

- **Relevant phrases**
H319 Causes serious eye irritation.
R36 Irritating to eyes.

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• **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
DNEL: Derived No-Effect Level (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

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