

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

Printing date: 03.08.2012

Version: 1

Revision: 07.31.2013

Trade name: Miglyol Gel B

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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.
- **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

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- **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.
- **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)
- **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 brown
- **Odor:** Neutral
- **Odor threshold:** Not determined
- **pH-value:** Not determined
- **Change in condition:**

Melting point/Melting range:	Not determined
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Boiling point/Boiling range:	Not applicable
• Flash point:	Not applicable
• 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:	~ 1.0 g/cm ³
• Relative density:	Not determined
• Vapor density:	Not applicable
• Evaporation rate:	Not determined
• Solubility in / Miscibility with Water:	Immiscible
• Segregation coefficient (n-octanol/water):	Not determined
• Viscosity:	
dynamic at 50°C:	~ 45000 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
- **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:**

108-32-7 propylene carbonate

Oral LD₅₀ > 2000 mg/kg (rat) (OECD 401)
Literature data

Dermal LD₅₀ > 2000 mg/kg (rabbit)
Literature data

- **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
Literature data

NOAEL(developmental) 5000 mg/kg bw/day (rat) (OECD 414)
10d
Literature data

- **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)
Literature data

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

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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

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:** 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.

- **Relevant phrases**

H319 Causes serious eye irritation.

R36 Irritating to eyes.

- **Department issuing MSDS:**

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- **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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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