

**O716 Polyglykol 1500, synthetic wax**

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**1. Identification of the Substance/Mixture and of the Company/Undertaking****1.1. Product Identifier***Product Name:* Polyglykol 1500, synthetic wax*Article No.:* O716*UFI:* --**1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against***Identified uses:**Chemical-technical industry  
Syntheses  
Cosmetics  
Pharmaceuticals**Uses advised against:***1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)***Company:* Interlabshop BV*Address:* Lage Brink 23, 7317BD Apeldoorn The Netherlands*Tel./Fax.:* +31(0)55-5215016*Internet:* www.labshop.nl*E-Mail:* labshop@labshop.nl*Importer:* --**1.4. Emergency No.***Emergency No.:* 112 (24 hours a day)**1.4.2 Poison Center:****2. Hazards Identification****2.1. Classification of the Substance or Mixture***Classification according to Regulation  
(EC) No. 1272/2008 (CLP/GHS)**This product does not require classification and labelling as hazardous according to CLP/GHS.**Possible Environmental Effects:***2.2. Label Elements***Classification according to Regulation  
(EC) No. 1272/2008 (CLP/GHS)**This product does not require classification and labelling as hazardous according to CLP/GHS.**Hazard designation:**Not applicable.**Signal word:**Hazard designation:**Safety designation:**Hazardous components for labelling:*

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**2.3. Other Hazards**

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**3. Composition/Information on Ingredients****3.1. Substance****3.2. Mixture**

*Chemical Characterization:* Polyethylene glycol HO-(CH<sub>2</sub>H<sub>2</sub>O)<sub>n</sub>-H, Average molecular mass 1500 (CAS 25322-68-3); INCI: PEG-32

*Information on Components / Hazardous Ingredients:*

*Additional information:*

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**4. First Aid Measures****4.1. Description of the First Aid Measures**

*General information:*

*Seek medical attention in case of complaints.  
Remove contaminated clothes.*

*After inhalation:*

*Supply fresh air. Consult physician if symptoms persist.*

*After skin contact:*

*Wash with soap and rinse with plenty of water.*

*After eye contact:*

*Rinse open eyes with plenty of water. In case of discomfort seek medical help.*

*After ingestion:*

*Rinse mouth thoroughly with plenty of water. Do not induce vomiting. Consult physician immediately.*

**4.2. Most important Symptoms and Effects, both Acute and Delayed**

*Symptoms:*

*No further information available.*

*Effects:*

**4.3. Indication of any Immediate Medical Attention and special Treatment needed**

*Treatment:*

*Treat symptomatically.*

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**5. Fire-Fighting Measures****5.1. Extinguishing Media**

*Suitable extinguishing media:*

*Foam, carbon dioxide (CO<sub>2</sub>), extinguishing powder, water spray.*

*Unsuitable extinguishing media:*

*None known.*

**5.2. Special Hazards arising from the Substance or Mixture**

*Special hazards:*

*In case of fire: formation of CO, CO<sub>2</sub> and fumes.*

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**5.3. Advice for Firefighters***Protective equipment:**Wear self-contained respiratory protective device.**Further information:*

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**6. Accidental Release Measures****6.1. Personal Precautions, Protective Equipment and Emergency Procedures***Personal precautions:**Ensure adequate ventilation.**Wear protective clothing.***6.2. Environmental Precautions***Environmental precautions:**Keep spills and cleaning runoff out of municipal sewers and open bodies of water.***6.3. Methods and Material for Containment and Cleaning Up***Methods and material:**Contain with absorbent, inert material (sand, earth) and dispose accordingly.***6.4. Reference to other Sections***Protective clothing, see Section 8.*

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**7. Handling and Storage****7.1. Precautions for Safe Handling***Instructions on safe handling:**Wear adequate protective clothing (see para. 8).**Avoid contact with eyes, skin and clothing.**Avoid formation of dust. Do not inhale dust.**Hygienic measures:**Do not eat or drink during work. Do not smoke.***7.2. Conditions for Safe Storage, including any Incompatibilities***Storage conditions:**Store product in a cool, dry and well ventilated area.**Store between 5 - 25°C.**Protect against heat, ignition sources and direct sunlight.**Requirements for storage areas and containers:**Store the product in the original container.**Information on fire and explosion protection:**Keep away from sources of heat and ignition - do not smoke.**Storage class:**11; Combustible solids (TRGS 510)**Further Information:*

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**7.3. Specific End Use(s)***Further information:**No further information available.***8. Exposure Controls/Personal Protection****8.1. Parameters to be Controlled***Parameters to be controlled (DE):*

TRGS 900

TLV: 1000 mg/m<sup>3</sup> (inhalable fraction); 8 (II)*Parameters to be controlled:**Derived No-Effect Level (DNEL):**Polyethylene glycol (PEG):*117.544 mg/m<sup>3</sup> (worker, inhalation, long-term exposure - systemic effects)

66.667 mg/kg bw/d (worker, skin contact, long-term exposure - systemic effects)

28.986 mg/m<sup>3</sup> (consumer, inhalation, long-term exposure - systemic effects)

33.333 mg/kg bw/d (consumer, skin contact, long-term exposure - systemic effects)

16.667 mg/kg bw/d (consumer, swallowing, long-term exposure - systemic effects)

*Predicted No-Effect Concentration (PNEC):**Polyethylene glycol (PEG):*

Fresh water: 0.016 mg/l

Sea water: 0.002 mg/l

Fresh water sediment / Sea water sediment: 15.91 mg/kg

Intermittent release: 0.159 mg/l

Sewage treatment system (STP): 77.063 mg/l

Soil: 4.423 mg/kg

*Additional Information:***8.2. Exposure Controls***Technical protective measures:**Ensure adequate ventilation, especially in confined areas.**Facilities storing or utilizing this material should be equipped with an eyewash and shower facility.**Personal Protection**General protective measures:**Wear adequate protective clothing.**Do not inhale dust. Do not eat, drink or smoke while working.**Wash hands before breaks and at the end of work.**Respiratory protection:**In case of formation of dust.**Hand protection:**Protective gloves (EN 374)*

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*Protective glove material:*

*Eye protection:*

*Tightly fitting safety goggles (EN 166).*

*Body protection:*

*Environmental precautions:*

*Prevent contamination of open water ways and sewage system.  
Avoid contamination of ground water.*

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### 9. Physical and Chemical Properties

#### 9.1. Information on Basic Physical and Chemical Properties

<i>Form:</i>	<i>flakes</i>
<i>Color:</i>	<i>white</i>
<i>Odor:</i>	<i>characteristic</i>
<i>Odor threshold:</i>	<i>no information available</i>
<i>pH-Value:</i>	<i>5 - 7 (20°C, 100 g/l)</i>
<i>Melting temperature:</i>	<i>44 - 48°C</i>
<i>Boiling temperature:</i>	<i>not determined</i>
<i>Flash point:</i>	<i>270°C (DIN 51376)</i>
<i>Evaporation rate:</i>	<i>not applicable</i>
<i>Flammability (solid, gas):</i>	<i>not flammable</i>
<i>Upper explosion limit:</i>	<i>not determined</i>
<i>Lower explosion limit:</i>	<i>not determined</i>
<i>Vapor pressure:</i>	<i>&lt; 0.01 mbar (20°C)</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>1.1 - 1.12 g/cm<sup>3</sup> (25°C)</i>
<i>Solubility in water:</i>	<i>ca. 500 g/l (20°C)</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>&lt; -1 logPOW</i>
<i>Auto-ignition temperature:</i>	<i>No information available.</i>
<i>Decomposition temperature:</i>	<i>360°C</i>
<i>Viscosity, dynamic:</i>	<i>36-42 mPa.s (20°C; DIN 53019)</i>
<i>Explosive properties:</i>	

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*not applicable*

*Oxidizing properties:*

*none*

*Bulk density:*

*400 - 500 kg/m<sup>3</sup>*

### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic:*

*33-39 mm<sup>2</sup>/s (20°C; DIN 51562)*

*Burning class:*

*Combustion factor 1: no burning (20°C); Method: VDI 2263-1  
Combustion factor 5: burning with flame (20°C); Method: VDI 2263,  
ESGIS, Vol. 1 with the addition of 20 % SiO<sub>2</sub>*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

*No further information.*

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## 10. Stability and Reactivity

### 10.1. Reactivity

*Stable if used according to specifications.*

### 10.2. Chemical Stability

*The product is chemically stable.*

### 10.3. Possibility of Hazardous Reactions

*Unknown.*

### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Protect from heat.*

*Keep away from flames and sparks.*

*Thermal decomposition:*

### 10.5. Incompatible Materials

*None known.*

### 10.6. Hazardous Decomposition Products

*None if stored and handled according to specifications.*

### 10.7. Further Information

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## 11. Toxicological Information

### 11.1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008

*Acute Toxicity*

*LD<sub>50</sub>, oral:*

*> 15000 mg/kg (rat)*

*LD<sub>50</sub>, dermal:*

*LC<sub>50</sub>, inhalation:*

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*Primary effects**Irritant effect on skin:**Non irritating**Irritant effect on eyes:**Non-irritating to eyes**Inhalation:**No irritant effect known.**Ingestion:**No irritant effect known.**Sensitization:**Non sensitizing.**Mutagenicity:**Not mutagenic (Ames Test)**Reproductive toxicity:**No relevant data found.**Carcinogenicity:**No relevant data found.**Teratogenicity:**No information available.**Specific target organ toxicity (STOT):**Repeated exposure: no information available.**Single exposure: no information available.**Aspiration hazard:**No information available.***11. 2. Information on other Hazards***Endocrine Disrupting Properties:**This substance/mixture does not contain any components with endocrine disrupting properties in a percentage of 0.1 or greater, according to Article 57(f) of the REACH Regulation (EC) No. 1907/2006 or the Delegated Regulation (EC) 2017/2100 or the Delegated Regulation (EC) 2018/605.*

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**12. Ecological Information****12. 1. Aquatic Toxicity***Fish toxicity:**LC50: > 10 g/l (48h, *Leuciscus idus*; DIN 38412)**Daphnia toxicity:**No information available.**Bacteria toxicity:**EC50: > 1000 mg/l (3h, active sludge; OECD 209)**Algae toxicity:**not determined*

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**12.2. Persistency and Degradability**

&gt; 95 % (28d); readily biodegradable (DIN 38412 T.24)

**12.3. Bioaccumulation**

No information available.

**12.4. Mobility**

No data available.

**12.5. Results of PBT- und vPvP Assessment**

On the basis of available data, the product does not contain any PBT or vPvB substances in percentage greater than 0.1 %.

**12.6. Endocrine Disrupting Properties**

This substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) No. 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1 % or higher.

**12.7. Other Adverse Effects**

Water hazard class:

1 (German Regulation) (Assessment by list): slightly hazardous.

Behaviour in sewage systems:

Further ecological effects:

AOX Value:

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**13. Disposal Considerations****13.1. Waste Treatment Methods**

Product:

Dispose of according to official national and local regulations.

European Waste Code (EWC):

Uncleaned packaging:

Dispose of according to official local regulations.

Waste Code No.:

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**14. Transport Information****14.1. UN Number**

ADR, IMDG, IATA

**14.2. UN Proper Shipping Name**

ADR/RID:

No hazardous goods according to ADR / DOT (US) (land transportation).

IMDG/IATA:

Not hazardous goods

**14.3. Transport Hazard Classes**

ADR Class:

not applicable

Hazard no.:

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*Classification code:**Tunnel restriction code:**IMDG Class (sea):**not applicable**Hazard no.:**EmS No.:**IATA Class:**not applicable**Hazard no.:***14. 4. Packaging Group***ADR/RID:**not applicable**IMDG:**IATA:***14. 5. Environmental Hazards***None***14. 6. Special Precautions for User***Not classified as a dangerous good under transport regulations.***14. 7. Maritime Transport in Bulk according to IMO Instruments***not applicable***14. 8. Further Information**

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**15. Regulatory Information****15. 1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture***Water hazard class:**1, slightly hazardous for water (according to the German Regulation AwSV)**Local regulations on chemical accidents:**Employment restrictions:**Restriction and prohibition of application:**EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: not applicable**Technical instructions on air quality:***15. 2. Chemical Safety Assessment***No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.***15. 3. Further Information***EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable  
Regulation (EC) 1005/2009 - Substances that Deplete the Ozone*

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*Layer: not regulated / not applicable*

*Regulation (EU) 2019/1021 - Persistent organic pollutants: not regulated / not applicable*

*Regulation (EC) 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors: not forbidden and/or not restricted*

*Regulation (EC) 649/2012 concerning the export and import of dangerous chemicals: Not applicable*

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### 16. Other Information

*This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.*