

## POLYGLYKOL P41/300

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Substance key: SXR024163  
Version : 2 - 2 / USA

Revision Date: 08/29/2013  
Date of printing :02/10/2014

**Section 01 - Product and company identification**

<b>Identification of the company:</b>	Clariant Corporation 4000 Monroe Road Charlotte, NC, 28205 Telephone No.: +1 704 331 7000
<b>Information of the substance/preparation:</b>	Product Safety 1-704-331-7710
<b>Emergency tel. number:</b>	+1 800-424-9300 CHEMTREC

**Trade name:** POLYGLYKOL P41/300  
**Material number:** 105326  
**CAS number:** 58205-99-5  
**Synonyms:** Oxirane, Methyl-, Polymer With Oxirane, Ether With 2,2-Bis(Hydroxymethyl)-1,3-Propanediol (4:1)  
**Primary product use:** Lubricant component for metal-working fluids  
**Chemical family:** ethylene oxide - propylene oxide - copolymer (branched)

**Section 02 - Hazards identification**

**Emergency overview:** Yellow liquid.

**Expected Route of entry:**

- Inhalation:** Not expected to be toxic by inhalation.
- Skin contact:** Not expected to be irritating to skin.
- Eye contact:** Not expected to be irritating to the eyes.
- Ingestion:** Not expected to be toxic.
- Skin absorption:** no

**Known effects on other illnesses:** No known effects on other illnesses for this product.

**Listed carcinogen:** IARC: No  
NTP: No  
OSHA: No  
Other: No

**HMIS:**

Health: 1	Flammability: 1	Reactivity: 0	Personal protection: D
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**Section 03 - Composition/information on ingredients**

**Hazardous ingredients:**  
None under 29 CFR 1910.1200  
None under Title III of SARA

**Section 04 - First aid measures**

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**After inhalation:**

If irritation of nose or throat develops from exposure to fumes, move away from source of exposure and into fresh air. If irritation develops, get medical attention.

**After contact with skin:**

Remove contaminated clothing without delay. Immediately wash the skin with soap and water for at least 15 minutes under a safety shower. If redness or skin irritation occurs, seek medical attention.

**After contact with eyes:**

Immediately flush eyes with large amounts of water for at least 15 minutes, holding lids apart to ensure flushing of the entire surface. Washing eyes within 1 minute is essential to achieve maximum effectiveness. Seek medical attention immediately.

**After ingestion:**

If ingested, seek medical assistance immediately.

**Advice to doctor / Treatment:**

None known.

**Section 05 - Fire fighting measures**

**Flashpoint:** 518 °F  
Method: DIN 51376 (open cup)

**Lower explosion limit:** not tested.

**Upper explosion limit:** not tested.

**Self ignition:** Not applicable

**Ignition temperature:** 590 °F  
Method: DIN 51794

**Hazardous combustion products:**

In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)

**Extinguishing media:** water spray jet  
foam  
dry powder  
carbon dioxide

**Special fire fighting procedure:**

Wear positive pressure self-contained breathing apparatus (SCBA) and full protective equipment.

**Unusual fire and explosion hazards:** Emits toxic fumes under fire conditions.

**Section 06 - Accidental release measures**

**Steps to be taken in case of spill or leak:**

Wearing appropriate personal protective equipment, contain spill, ventilate area of spill or leak. Collect onto inert absorbent. Place in suitable container.

**Section 07 - Handling and storage**

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**Advice on safe handling:**

Avoid getting on skin or in eyes when handling product.  
Wash thoroughly after handling.

**Further info on storage conditions:**

Store in a cool, well-ventilated area.  
Keep containers closed.

**Section 08 - Exposure controls / personal protection**

No level has been established by OSHA, NIOSH, ACGIH.

<b>Respiratory protection:</b>	If airborne concentrations pose a health hazard, become irritating or exceed recommended limits, use a NIOSH approved respirator in accordance with OSHA respiratory protection requirements under 29 CFR 1910.134
<b>Hand protection:</b>	Butyl Rubber, PVC Or Neoprene.
<b>Eye protection:</b>	Chemical splash goggles.
<b>Other protective equipment:</b>	Protective clothing to minimize skin contact should be worn. Chemically resistant safety shoes. Wash contaminated clothing with soap and water and dry before reuse. Safety showers and eyewash stations should be provided in all areas where this material is handled.
<b>Advice on system design:</b>	Local ventilation recommended - mechanical ventilation may be used.
<b>IDLH:</b>	Not Determined

**Section 09 - Physical and chemical properties**

<b>Form:</b>	Liquid
<b>Color:</b>	yellow
<b>Odor:</b>	characteristic
<b>Odor limit:</b>	not tested.
<b>pH:</b>	7 - 9.5 (20 °C, 100 g/l) Method: DIN 19268
<b>Solubility in water:</b>	(20 °C) miscible
<b>Soluble in ... :</b>	fat not tested.
<b>Density:</b>	1.07 g/cm <sup>3</sup> (50 °C) Method: DIN 51757
<b>Solidifying Point :</b>	14 °F Method: DIN 51583
<b>Boiling temperature :</b>	not determined

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<b>Vapor pressure:</b>	< 0.01 Torr (20 °C)
<b>Bulk density:</b>	Not applicable
<b>Relative vapor density:</b>	not tested.
<b>Partitioning coef. octanol/water:</b>	not tested.
<b>Viscosity / (kinematic):</b>	approx. 300 mm <sup>2</sup> /s ( 50 °C) Method: DIN 51562

**Section 10 - Stability and reactivity**

<b>Thermal decomposition:</b>	> 220 °C
<b>Chemical stability:</b>	Under normal conditions the product is stable.
<b>Hazardous Polymerization:</b>	Will not occur. Conditions to avoid: None known.
<b>Conditions to avoid:</b>	None known.

**Section 11 - Toxicological information**

<b>Product information:</b>	
<b>Acute oral toxicity:</b>	LD50 > 15,000 mg/kg (rat)
<b>Acute inhalation toxicity:</b>	not tested.
<b>Acute dermal toxicity:</b>	not tested.
<b>Skin irritation:</b>	Non-irritating (rabbit) Method: OECD Test Guideline 404 By analogy with a similar product.
<b>Eye irritation:</b>	non-irritant (rabbit) Method: OECD Test Guideline 405 By analogy with a similar product.
<b>Sensitization:</b>	not tested.

**Section 12 - Ecological information**

<b>Product information:</b>	
<b>Biodegradation:</b>	< 20 % sparingly degradable Method: Zahn-Wellens test
<b>Biodegradation:</b>	< 10 % Method: OECD 301 B
<b>Fish toxicity:</b>	LC0 8.5 g/l (48 h, golden orfe)
<b>Daphnia toxicity:</b>	not tested.
<b>Algae toxicity:</b>	not tested.

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**Bacteria toxicity:** EC0 6.25 g/l  
Method: fermentation tube test

**Chemical oxygen demand (COD):** 1,840 mg/g

**Remarks:**  
Harmful effects to fish and bacteria: not harmful

**Section 13 - Disposal considerations**

**Waste disposal information:**

Dispose of spilled or waste product, contaminated soil and other contaminated materials in licensed landfill or treatment facility in accordance with all local, state, and federal regulations.

**RCRA hazardous waste:**

No -- Not as sold.  
RCRA number: NONE

**Section 14 - Transport information**

**DOT** not restricted  
**IATA** not restricted  
**IMDG** not restricted

**Section 15 - Regulatory information**

**TSCA Status:**

All components of this product are listed on the TSCA Inventory.

**SARA (section 311/312):**

Reactive hazard: no  
Pressure hazard: no  
Fire hazard: no  
Immediate/acute: no  
Delayed/chronic: no

**SARA 313 information:**

This product does not contain any toxic chemical listed under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986.

**Clean Water Act:**

Contains no known priority pollutants at concentrations greater than 0.1%.

**Volatile organic compounds VOC:**

Remarks: Not Available

**FDA:**

This product is not registered with the FDA.

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### Section 16 - Other information

**Other precautions:**

None Known

**Label information:**

ATTENTION!

UPON EVALUATION, IT HAS BEEN DETERMINED THAT THIS PRODUCT IS NOT SUBJECT TO THE LABELING REQUIREMENTS OF OSHA REGULATION 29CFR 1910.1200.

Good work practices dictate that care be taken to avoid skin and eye contact and ingestion. Washing after handling is advised.

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This information is supplied under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and is offered in good faith based on data available to us that we believe to be true and accurate. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable to the material. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate for that use. No warranty, express or implied, is made regarding the accuracy of this data, the hazards connected with the use of the material, or the results to be obtained from the use thereof. We assume no responsibility for damage or injury from the use of the product described herein. Data provided here are typical and not intended for use as product specifications.