

## POLYGLYKOL B01/240

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Version : 2 - 6 / USA

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## SECTION 1. IDENTIFICATION

<b>Identification of the company:</b>	Clariant Produkte (Deutschland) GmbH Frankfurt am Main, 65926 Telephone No.: +49 69 305 18000
	<b>Information of the substance/preparation:</b> Product Stewardship, +1-704-331-7710 e-mail: SDS.NORAM@clariant.com
	<b>Emergency tel. number:</b> +1 800-424-9300 CHEMTREC

**Trade name:** POLYGLYKOL B01/240  
**Material number:** 107950  
**CAS number:** 9003-13-8  
**Primary product use:** Metal processing  
**Chemical family:** polypropylene glycol monobutyl ether

## SECTION 2. HAZARDS IDENTIFICATION

**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Not a hazardous substance or mixture.

**GHS label elements**

Not a hazardous substance or mixture.

**Other hazards**

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance  
Substance name : polypropylene glycol monobutyl ether  
CAS-No. : 9003-13-8

**Components**

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

## SECTION 4. FIRST AID MEASURES

General advice : Remove contaminated clothing and shoes.  
If inhaled : Move the victim to fresh air.  
Give oxygen or artificial respiration if needed.

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- Get immediate medical advice/ attention.  
Never give anything by mouth to an unconscious person.
- In case of skin contact : Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- If swallowed : Get medical attention immediately.
- Most important symptoms and effects, both acute and delayed : The possible symptoms known are those derived from the labelling (see section 2).  
No additional symptoms are known.
- Notes to physician : Treat symptomatically.

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**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Water spray jet  
Foam  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)
- Specific hazards during firefighting : In case of fires, hazardous combustion gases are formed:  
Carbon monoxide (CO)
- Further information : Combustible material  
In the event of fire and/or explosion do not breathe fumes.  
During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion  
Do not allow run-off from fire fighting to enter drains or water courses.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : Self-contained breathing apparatus

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Wear suitable protective clothing.  
Wearing appropriate personal protective equipment, contain spill, collect onto inert absorbent, and place in a suitable container.  
Wash/Decontaminate removed clothing before reuse.  
Dispose of contents/container in accordance with local regulation.
- Environmental precautions : Do not allow to enter drains or waterways

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Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Can be landfilled or incinerated, when in compliance with local regulations.

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## SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Observe the general rules of industrial fire protection

Advice on safe handling : Use only with adequate ventilation and proper protective eyewear, gloves, and clothing.

Further information on storage conditions : Store in a cool, dry, well-ventilated area. Keep container sealed when not in use.  
Keep in an area equipped with sprinklers.  
Keep from freezing.

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

**Engineering measures** : Local ventilation recommended - mechanical ventilation may be used.

### Personal protective equipment

Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection  
Remarks : Butyl Rubber, PVC or Neoprene Nitrile rubber gloves.

Eye protection : Safety glasses

Skin and body protection : Protective clothing to minimize skin contact should be worn.

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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.

Protective measures : Avoid contact with skin and eyes.

Hygiene measures : Keep away from food and drink.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : Liquid

Colour : light yellow

Odour : characteristic

Odour Threshold : not determined

pH : 5 - 7 (68 °F / 20 °C)  
Method: SAE

Solidification point : -40 °F / -40 °C  
Method: DIN 51583

Boiling point : Not applicable

Flash point : 464 °F / 240 °C  
Method: DIN/ISO 2592 (open cup)

Evaporation rate : not determined

Flammability (solid, gas) : Not applicable

Upper explosion limit / upper flammability limit : Not applicable

Lower explosion limit / Lower flammability limit : Not applicable

Vapour pressure : < 0.1 mbar (68 °F / 20 °C)

Relative vapour density : Not applicable

Density : 0.977 g/cm<sup>3</sup> (122 °F / 50 °C)  
Method: DIN 51757

Bulk density : Not applicable

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Solubility(ies)	
Water solubility	: insoluble (68 °F / 20 °C)
Solubility in other solvents	: not determined
Partition coefficient: n-octanol/water	: Not applicable
Auto-ignition temperature	: 707 °F / 375 °C Method: DIN 51794
Decomposition temperature	: > 428 °F / > 220 °C
Viscosity	
Viscosity, kinematic	: approx. 240 mm <sup>2</sup> /s (122 °F / 50 °C) Method: DIN 51562
Explosive properties	: Not explosive Method: Expert judgement
Oxidizing properties	: The substance or mixture is not classified as oxidizing. Method: Expert judgement
Self-heating substances	: Not applicable
Molecular weight	: approximately 4,300 g/mol
Metal corrosion rate	: < 6.25 mm/a Not corrosive to metals
Particle size	: Not applicable

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use. Stable
Conditions to avoid	: None known.
Incompatible materials	: not known
Hazardous decomposition products	: When handled and stored appropriately, no dangerous decomposition products are known

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**SECTION 11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

Eye contact  
Skin contact  
Inhalation  
Ingestion

**Acute toxicity**

Not classified

**Product:**

Acute oral toxicity : LD50 (Rat): &gt; 15,000 mg/kg

Acute inhalation toxicity : Remarks: not tested.

Acute dermal toxicity : Remarks: not tested.

**Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

**Product:**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation

**Serious eye damage/eye irritation**

Based on available data, the classification criteria are not met.

**Product:**

Species : rabbit eye  
Result : No eye irritation  
Method : OECD Test Guideline 405

**Respiratory or skin sensitisation****Skin sensitisation**

Not classified

**Respiratory sensitisation**

Not classified

**Product:**

Remarks : not tested.

**Germ cell mutagenicity**

Not classified

**Product:**

Germ cell mutagenicity - Assessment : No information available.

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**Carcinogenicity**

Not classified

**Product:**

Carcinogenicity - Assessment : No information available.

**IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity**

Not classified

**Product:**

Reproductive toxicity - Assessment : No information available.

No information available.

**STOT - single exposure**

Not classified

**Product:**

Remarks : not tested.

**STOT - repeated exposure**

Not classified

**Product:**

Remarks : not tested.

**Repeated dose toxicity****Product:**

Remarks : not tested.

**Aspiration toxicity**

Not classified

**Experience with human exposure****Product:**

General Information : The possible symptoms known are those derived from the labelling (see section 2).

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**Further information****Product:**

Remarks : Irritation of mucous membranes  
By analogy with a product of similar composition

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:**

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 2,200 - 5,000 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna Straus): > 100 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202  
Remarks: By analogy with a product of similar composition

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): > 150 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201  
GLP: yes  
Remarks: By analogy with a product of similar composition

Toxicity to microorganisms : Remarks: no data available

**Persistence and degradability****Product:**

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: < 20 %  
Method: OECD Test Guideline 302B

**Bioaccumulative potential****Product:**

Bioaccumulation : Remarks: not tested.

**Mobility in soil****Product:**

Distribution among environmental compartments : Remarks: not tested.

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**Other adverse effects****Product:**

Environmental fate and pathways : Remarks: no data available

Additional ecological information : Harmful effects to fish and bacteria: not harmful

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

RCRA - Resource Conservation and Recovery Act  
Waste Code : This product, if discarded as sold, is not a Federal RCRA hazardous waste.  
: NONE

Waste from residues : Product should be taken to a suitable and authorized waste disposal site in accordance with relevant regulations and if necessary after consultation with the waste disposal operator and/or the competent Authorities

Contaminated packaging : Packaging that cannot be cleaned should be disposed of as product waste

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**SECTION 14. TRANSPORT INFORMATION**

DOT : not restricted

IATA : not restricted

IMDG : not restricted

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**SECTION 15. REGULATORY INFORMATION****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : No SARA Hazards

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

**Clean Water Act**

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

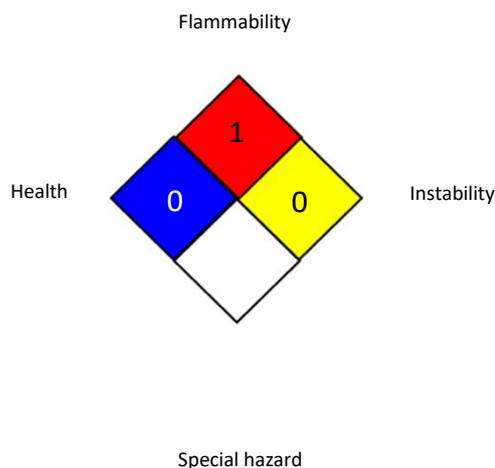
This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

**The components of this product are reported in the following inventories:**

TSCA : All components are compliant with the TSCA Inventory Notification (Active) rule.

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**SECTION 16. OTHER INFORMATION****Further information****NFPA 704:****Full text of other abbreviations**

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL -

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Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

For additional information, contact Product Stewardship.

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# SAFETY DATA SHEET



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