

POLYGLYKOL P41/12000

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SECTION 1. IDENTIFICATION

Identification of the company:

Clariant Corporation
500 East Morehead Street
Charlotte, NC, 28202
Telephone No.: +1 704 331 7000

Information of the substance/preparation:

Product Stewardship, +1-704-331-7710
e-mail: SDS.NORAM@clariant.com

Emergency tel. number: +1 800-424-9300 CHEMTREC

Trade name: POLYGLYKOL P41/12000
Material number: 107953

CAS number: 58205-99-5
Synonyms: Product Has No Synonyms

Primary product use: Metal processing
Chemical family: Ethylene/propylene oxide copolymer (branched).

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 : Ethylene/propylene oxide copolymer (branched).

CAS-No. : 58205-99-5

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.

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- If inhaled : Move the victim to fresh air.
Give oxygen or artificial respiration if needed.
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.
Get medical attention immediately if irritation develops and persists.
- If swallowed : IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
- 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.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray jet
Foam
Dry powder
Carbon dioxide (CO₂)
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : In case of fires, hazardous combustion gases are formed:
Carbon monoxide (CO)
Carbon dioxide (CO₂)

Burning produces noxious and toxic fumes.
- Further information : Wear positive pressure self-contained breathing apparatus (SCBA) and full protective equipment.
- Special protective equipment for firefighters : Self-contained breathing apparatus
Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and : Refer to protective measures listed in sections 7 and 8.
Avoid contact with skin, eyes and clothing.

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emergency procedures	Wearing appropriate personal protective equipment, contain spill, ventilate area of spill or leak. Collect onto inert absorbent. Place in suitable container.
Environmental precautions	: Do not allow to enter drains or waterways Prevent product from entering drains.
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.

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 personal protective equipment. Wash thoroughly after handling. Avoid contact with skin and eyes. Store in original container. Keep container tightly closed.
Further information on storage conditions	: Keep container closed.

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. A system of local and/or general exhaust is recommended where employee exposures are at or above Occupational Exposure Limits (OEL).
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Personal protective equipment

Respiratory protection	: 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 A NIOSH approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain conditions where airborne concentrations are expected to exceed exposure limits. Protection provided by air-purifying respirators is limited. Use a NIOSH approved positive
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pressure air-supplied respirator if there is any potential for an uncontrolled release, Exposure levels are not known or any other circumstances where air-purifying respirators may not provide adequate protection.

Hand protection	:	
Remarks	:	Butyl Rubber, PVC Or Neoprene.
Eye protection	:	Tightly fitting safety goggles
Skin and body protection	:	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.
Protective measures	:	Avoid contact with skin and eyes.
Hygiene measures	:	Keep away from food and drink.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Liquid
Colour	:	yellow
Odour	:	characteristic
pH	:	5 - 7 (68 °F / 20 °C) Concentration: 100 g/l Method: DIN 19268
Solidification point	:	32 °F / 0 °C Method: DIN 51583
Boiling point	:	not determined Decomposes below the boiling point.
Flash point	:	500 °F / 260 °C Method: DIN 51376
Flammability (solid, gas)	:	Not applicable
Upper explosion limit / upper flammability limit	:	no data available
Lower explosion limit / Lower flammability limit	:	no data available

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Vapour pressure	:	< 0.01 mbar (68 °F / 20 °C)
Relative vapour density	:	no data available
Density	:	1.069 g/cm ³ (122 °F / 50 °C) Method: DIN 51757
Solubility(ies)	:	
Water solubility	:	miscible (68 °F / 20 °C)
Partition coefficient: n-octanol/water	:	log Pow: < -1 Method: Calculated by Syracuse.
Auto-ignition temperature	:	842 °F / 450 °C Method: DIN 51794
Decomposition temperature	:	> 428 °F / > 220 °C
Viscosity	:	
Viscosity, dynamic	:	not tested.
Viscosity, kinematic	:	approx. 12000 mm ² /s (122 °F / 50 °C) Method: DIN 51562
Flow time	:	no data available
Self-heating substances	:	no data available
Metal corrosion rate	:	Not applicable
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	:	Alkalis
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**

Skin contact

Eye contact

Acute toxicity**Product:**Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : Remarks: not tested.

Acute dermal toxicity : Remarks: not tested.

Skin corrosion/irritation**Product:**

Result: No skin irritation

Serious eye damage/eye irritation**Product:**

Result: No eye irritation

Respiratory or skin sensitisation**Product:**

Result: Does not cause skin sensitisation.

Germ cell mutagenicity**Product:**

Germ cell mutagenicity - Assessment : No information available.

Carcinogenicity**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

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by NTP.

Reproductive toxicity**Product:**

Reproductive toxicity - Assessment : No information available.

No information available.

STOT - single exposure**Product:**

Remarks: not tested.

STOT - repeated exposure**Product:**

Remarks: not tested.

Repeated dose toxicity**Product:**

Remarks: not tested.

Experience with human exposure**Product:**

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

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**Toxicity to fish : LC0 (Leuciscus idus (Golden orfe)): > 12.5 g/l
Exposure time: 48 d

Toxicity to daphnia and other aquatic invertebrates : Remarks: not tested.

Toxicity to algae/aquatic plants : Remarks: not tested.

Toxicity to microorganisms : Remarks: no data available

Persistence and degradability**Product:**

Biodegradability : Result: Not readily biodegradable.

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Biodegradation: < 20 %
Method: OECD Test Guideline 302B

Chemical Oxygen Demand (COD) : 1,970 mg/g

Bioaccumulative potential**Product:**

Bioaccumulation : Remarks: not tested.

Mobility in soil**Product:**

Distribution among environmental compartments : Remarks: not tested.

Other adverse effects**Product:**

Environmental fate and pathways : Remarks: no data available

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

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

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

Waste from residues : Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.

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

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.

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.

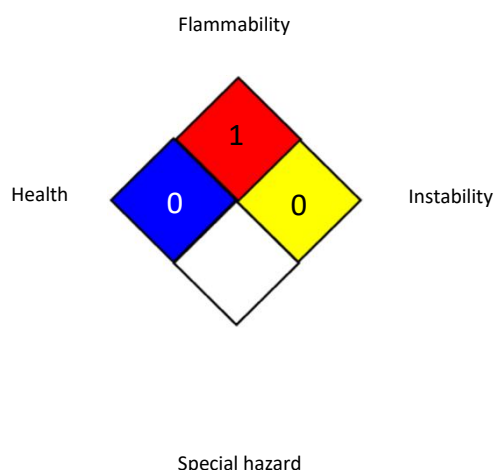
This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

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

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 - 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

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Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods;
vPvB - Very Persistent and Very Bioaccumulative

Observe national and local legal requirements
For additional information, contact Product Stewardship.

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