

POLYGLYKOL B11/240

Page 1

Substance key: 000000194436

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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: BU Care Chemicals Product Stewardship, +1-704-331-7710
	Emergency tel. number: +1 800-424-9300(CHEMTREC)

Trade name: POLYGLYKOL B11/240**Material number:** 212394**Synonyms:** Product has no synonyms**Primary product use:** Metal processing

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Acute toxicity (Inhalation) : Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H330 Fatal if inhaled.

Precautionary statements :

Prevention:

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

P271 Use only outdoors or in a well-ventilated area.

P284 Wear respiratory protection.

Response:

P304 + P340 + P310 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Immediately call a POISON CENTER or doctor/ physician.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

POLYGLYKOL B11/240

Page 2

Substance key: 000000194436

Revision Date: 09/26/2017

Version : 3 - 0 / USA

Date of printing : 10/24/2023

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

In aerosol form, the product can be toxic by inhalation.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**Hazardous components**

Chemical name	CAS-No.	Concentration (% w/w)
Oxirane, methyl-, polymer with oxirane, monobutyl ether	9038-95-3	100

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

SECTION 4. FIRST AID MEASURES

- 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 : None known.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray jet
Foam
Dry powder
Carbon dioxide (CO₂)
- Unsuitable extinguishing media : High volume water jet

POLYGLYKOL B11/240

Page 3

Substance key: 000000194436

Revision Date: 09/26/2017

Version : 3 - 0 / USA

Date of printing :10/24/2023

- Specific hazards during firefighting : Emits toxic and corrosive fumes under fire conditions.
- Further information : Wear positive pressure self-contained breathing apparatus (SCBA) and full protective equipment.
- Special protective equipment for firefighters : Self-contained breathing apparatus

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Contain spill. Ensure adequate ventilation and wear appropriate personal protective equipment. Collect onto inert absorbent. Place in sealable container. Do not allow to contaminate water sources or sewers.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Avoid contact with skin and eyes.
- Technical measures/Precautions : Keep container closed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

- Engineering measures** : Use ventilation adequate to keep exposures below recommended exposure limits. See the safety datasheet.

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
- Hand protection
Remarks : Butyl Rubber, PVC Or Neoprene.
- Eye protection : Safety glasses with side-shields
- Skin and body protection : Wear suitable protective equipment.
- Protective measures : Do not inhale aerosol.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

POLYGLYKOL B11/240

Page 4

Substance key: 000000194436

Revision Date: 09/26/2017

Version : 3 - 0 / USA

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Appearance	:	Liquid
Colour	:	light yellow
Odour	:	characteristic
Odour Threshold	:	not determined
pH	:	5 - 7 (20 °C) Concentration: 100 g/l Method: DIN 19268
Freezing point	:	not determined
Boiling point	:	not determined
Flash point	:	250 °C Method: DIN 51376
Evaporation rate	:	not determined
Flammability (solid, gas)	:	Not applicable
Self-ignition	:	not tested.
Upper explosion limit / upper flammability limit	:	not tested.
Lower explosion limit / Lower flammability limit	:	not tested.
Vapour pressure	:	not determined
Relative vapour density	:	not determined
Density	:	1.025 g/cm ³ (50 °C) Method: DIN 51757
Solubility(ies) Water solubility	:	miscible (20 °C)
Partition coefficient: n-octanol/water	:	not tested.
Auto-ignition temperature	:	not determined
Decomposition temperature	:	> 220 °C
Viscosity Viscosity, dynamic	:	not determined
Viscosity, kinematic	:	not determined

POLYGLYKOL B11/240

Page 5

Substance key: 000000194436

Revision Date: 09/26/2017

Version : 3 - 0 / USA

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SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use. Stable
Conditions to avoid	:	None known.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

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

Eye contact
Skin contact
Inhalation

Acute toxicity**Product:**

Acute oral toxicity	:	LD50 (Rat): > 10,000 mg/kg
Acute inhalation toxicity	:	LC50: 0.25 - 1 mg/l Exposure time: 4 h Test atmosphere: dust/mist

Components:**Oxirane, methyl-, polymer with oxirane, monobutyl ether:**

Acute oral toxicity	:	LD50 (Rat, female): > 2,000 mg/kg Method: OECD Test Guideline 401 GLP: yes
Acute inhalation toxicity	:	LC50 (Rat): 1 - 5 mg/l Exposure time: 4 h
Acute dermal toxicity	:	(Rabbit): ca. 14,100 mg/kg, 14.100 µl/kg
Acute toxicity (other routes of administration)	:	LD50 (Rabbit, male and female): > 16,000 mg/kg Application Route: subcutaneous Exposure time: 24 h

Skin corrosion/irritation**Product:**

Species: Rabbit
Result: No skin irritation
Remarks: By analogy with a product of similar composition

POLYGLYKOL B11/240

Page 6

Substance key: 000000194436

Revision Date: 09/26/2017

Version : 3 - 0 / USA

Date of printing :10/24/2023

Components:**Oxirane, methyl-, polymer with oxirane, monobutyl ether:**

Species: Rabbit

Exposure time: 4 h

Method: OECD Test Guideline 404

Result: No skin irritation

GLP: yes

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

Species: Rabbit

Result: No eye irritation

Remarks: By analogy with a product of similar composition

Components:**Oxirane, methyl-, polymer with oxirane, monobutyl ether:**

Species: rabbit eye

Result: No eye irritation

Exposure time: 24 h

Method: OECD Test Guideline 405

GLP: yes

Respiratory or skin sensitisation**Components:****Oxirane, methyl-, polymer with oxirane, monobutyl ether:**

Species: Guinea pig

Result: Does not cause skin sensitisation.

Germ cell mutagenicity**Components:****Oxirane, methyl-, polymer with oxirane, monobutyl ether:**

Genotoxicity in vitro : Remarks: no data available

Germ cell mutagenicity -
Assessment : No information available.**Carcinogenicity****Components:****Oxirane, methyl-, polymer with oxirane, monobutyl ether:**Carcinogenicity -
Assessment : No information available.**IARC** Not listed**OSHA** Not listed

POLYGLYKOL B11/240

Page 7

Substance key: 000000194436

Revision Date: 09/26/2017

Version : 3 - 0 / USA

Date of printing :10/24/2023

NTP Not listed**Reproductive toxicity****Components:****Oxirane, methyl-, polymer with oxirane, monobutyl ether:**

Effects on fertility : Remarks: This information is not available.

Effects on foetal development : Remarks: This information is not available.

Reproductive toxicity - Assessment : No information available.
No information available.**STOT - single exposure****Components:****Oxirane, methyl-, polymer with oxirane, monobutyl ether:**

Remarks: no data available

STOT - repeated exposure**Components:****Oxirane, methyl-, polymer with oxirane, monobutyl ether:**

Remarks: no data available

Repeated dose toxicity**Components:****Oxirane, methyl-, polymer with oxirane, monobutyl ether:**

Remarks: This information is not available.

Aspiration toxicity**Components:****Oxirane, methyl-, polymer with oxirane, monobutyl ether:**

No aspiration toxicity classification

Experience with human exposure**Product:**

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

Further information**Product:**

Remarks: In test animal examinations with products of similar molecular weights after repeated

POLYGLYKOL B11/240

Page 8

Substance key: 000000194436

Revision Date: 09/26/2017

Version : 3 - 0 / USA

Date of printing :10/24/2023

exposure with respirable aerosols (from 0,3 mg/m³ air onwards) a chronic increase in connective tissues in the lungs (Fibrosen) was found.

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

Toxicity to fish : LC0 (Leuciscus idus (Golden orfe)): > 12.5 g/l
Exposure time: 48 h

Toxicity to microorganisms : EC0: 8 g/l
Method: fermentation tube test

Components:**Oxirane, methyl-, polymer with oxirane, monobutyl ether:**

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 1,000 mg/l
Exposure time: 96 h
Test Type: static test
Analytical monitoring: no
Method: OECD Test Guideline 203
GLP: yes
Remarks: The details of the toxic effect relate to the nominal concentration.

Toxicity to daphnia and other : LC50 (Daphnia magna (Water flea)): > 1,000 mg/l
aquatic invertebrates
Exposure time: 48 h

Toxicity to fish (Chronic : Remarks: not required
toxicity)

Toxicity to daphnia and other : Remarks: not required
aquatic invertebrates
(Chronic toxicity)

Toxicity to microorganisms : IC50: > 1,000 mg/l

Toxicity to soil dwelling : Remarks: Not applicable
organisms

Plant toxicity : Remarks: Not applicable

Sediment toxicity : Remarks: Not applicable

Toxicity to terrestrial : Remarks: Not applicable
organisms

Persistence and degradability**Product:**

Biodegradability : Result: Not readily biodegradable.

POLYGLYKOL B11/240

Page 9

Substance key: 000000194436

Revision Date: 09/26/2017

Version : 3 - 0 / USA

Date of printing :10/24/2023

Biodegradation: < 20 %
Exposure time: 30 d
Method: OECD Test Guideline 302B

Chemical Oxygen Demand : approx. 2,000 mg/g
(COD)

Components:**Oxirane, methyl-, polymer with oxirane, monobutyl ether:**

Biodegradability : aerobic
Inoculum: activated sludge, domestic
Concentration: 25 - 28,1 mg/l
BOD in % of theoretical OD
Result: Readily biodegradable.
Biodegradation: 76 - 79 %
Exposure time: 28 d
Method: OECD Test Guideline 301B

Bioaccumulative potential**Components:****Oxirane, methyl-, polymer with oxirane, monobutyl ether:**

Bioaccumulation : Remarks: Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.

Mobility in soil**Components:****Oxirane, methyl-, polymer with oxirane, monobutyl ether:**

Distribution among : Remarks: Not applicable
environmental compartments

Other adverse effects**Product:**

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

Components:**Oxirane, methyl-, polymer with oxirane, monobutyl ether:**

Environmental fate and : no data available
pathways

Results of PBT and vPvB : This substance is not considered to be persistent,
assessment bioaccumulating and toxic (PBT).

Additional ecological : No information available.
information

Substance key: 000000194436

Revision Date: 09/26/2017

Version : 3 - 0 / USA

Date of printing :10/24/2023

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

RCRA - Resource Conservation and Recovery Act

: No -- Not as sold.

Waste Code

: NONE

Waste from residues

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

SECTION 14. TRANSPORT INFORMATION

DOT not restricted

IATA not restricted

IMDG not restricted

Further information:

In aerosol form, the product can be toxic by inhalation.

However, the generation of a mist/aerosol is not likely in the event of leakage of primary containment for this product during transport operations.

SECTION 15. REGULATORY INFORMATION**EPCRA - Emergency Planning and Community Right-to-Know****Act****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 311/312 Hazards : Acute Health Hazard
Chronic Health Hazard**SARA 313** : 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%.

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

TSCA : On TSCA Inventory

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Revision Date: 09/26/2017

Version : 3 - 0 / USA

Date of printing :10/24/2023

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

AICS - Australian Inventory of Chemical Substances; 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; 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

None known.

Revision Date : 09/26/2017

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POLYGLYKOL B11/240

Page 12

Substance key: 000000194436

Revision Date: 09/26/2017

Version : 3 - 0 / USA

Date of printing :10/24/2023

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