

Polypol P-1010

Revision date: 09-jun-17

Version: 0.0

Code: GHS-0256

Section 1. Identification

Identification

Product name: Polypol P-1010
Chemical name: Polypropylene glycol
Others means of identification: Polyoxypropylene; Poly[oxy(methyl-1,2-ethanediyl)], α -hydro- ω -hydroxy-

Recommended use of the chemical and restrictions on use

Chemical
 Suitable for use in industrial sector: chemical industry

Details of the supplier of the safety data sheet

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 Colonia Condesa, México,
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Emergency telephone number

Call SETIQ: +1 800 0021400. Available 24 hours, everyday.

Section 2. Hazard Identification

Classification of the substance or mixture

Classification: Acute toxicity
Category: 4 - Oral

GHS Label elements

Pictogram: Exclamation mark



Signal word: Warning

Hazard statement(s):
 H302 Harmful if swallowed.

Precautionary statement(s):
 P264 Wash with soap and water thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P330 Rinse mouth.
 P501 Dispose of contents/container to an approved waste disposal plant, in accordance with applicable local regulations.

Other hazards:
 No are known other hazards

Section 3. Composition/Information on ingredients

Chemical identity:	CAS number:	Content:
Poly[oxy(methyl-1,2-ethanediyl)], α -hydro- ω -hydroxy-	25322-69-4	100 %



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Section 4. First-Aid Measures

Description of first aid measures

If inhaled:

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and keep the person calm. If not breathing, give artificial respiration. Seek medical attention.

In case of skin contact and eye contact:

If on skin: Wash thoroughly affected areas with soap and water for at least 15 minutes. Skin contact with hot molten substance/product may cause thermal burns. Seek medical assistance for removal of adhering material. If irritation develops, seek medical attention. If in eyes: Wash affected eyes for at least 15 minutes under running water with eyelids held open. Consult an eye specialist.

If swallowed:

Immediately rinse mouth and then drink plenty of water. Do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Most important symptoms and effects, both acute and delayed:

The most important known symptoms and effects, described in the labeling (see section 2 and/or in section 11 on this Safety Data Sheet).

Indication of any immediate medical attention and special treatment needed:

Note to physician treatment: Treat according to symptoms (decontamination, vital functions). No specific antidote is known.

Section 5. Fire-Fighting Measures

Extinguishing media:

Suitable extinguishing media: water fog, dry powder, foam or carbon dioxide.

Special hazards arising from substance or mixture:

On burning produce CO, CO₂.

Advice for firefighters:

Protective equipment for fire-fighting: Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

Evacuate the area. Fight fire from maximum distance. If exposed to fire, keep containers cool by spraying with water. Contaminated extinguishing water must be disposed of in accordance with official regulations.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Use appropriate personal protective equipment. For personal protection, see section 8: "Exposure controls / personal protection". Narrow access to the affected area and eliminate ignition sources. Ventilate the area and prevent the material from entering sewers, streams or aquifers. Eliminate or reduce spill if without risk. Handle in accordance with good industrial hygiene and safety practices. Avoid formation of dust and / or breathing vapors, mist or gas.

Environmental precautions:

Do not discharge into drains/surface waters/groundwater.

Methods and materials for containment and cleaning up:

For small amounts: Absorb with an inert dry material (sand, vermiculite, etc.) and place in an appropriate waste disposal container. For large amounts: Pump off product into a suitable container. Absorb remainder with an inert material (sand, vermiculite, etc.) and set it according to current regulations.

Section 7. Handling and Storage

Precautions for safe handling:

Use appropriate personal protective equipment for the proper handling of the product. Prevent the release of dust and vapors in the air within the workplace. Always ensure adequate ventilation in areas of management. Keep emergency equipment available. Label containers and keep them tightly closed when not in use. Empty containers may retain product residue and can be hazardous.

Conditions for safe storage, including incompatibilities:

We recommend storing in a cool, dry and well-ventilated place; at room temperature. Keep away from direct sunlight and sources of ignition. To ensure product quality, avoid extreme temperatures (cold and heat) and protect from moisture. Incompatible products: Segregate from strong acids, strong bases and strong oxidizing agents.



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Section 8. Exposure Controls/Personal Protection

Control parameters

Component	CAS	Parameter
Polypropylene glycol	25322-69-4	Value: TWA: 10 mg/m3, aerosol. USA. Workplace Environmental Exposure Levels (WEEL® Values 2011).

Appropriate engineering controls:

Provide adequate exhaust ventilation to control work place concentrations. Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Take off immediately all contaminated clothing. Wash soiled clothing immediately.

Individual protection measures:

Personal protective equipment. Respiratory protection: Wear respiratory protection if ventilation is inadequate. Breathing protection if breathable vapours are formed. Hand protection: Chemical resistant protective gloves. Consult with glove manufacturer for testing data. Eye protection: Safety glasses with side-shields. Body protection: Body protection must be chosen based on level of activity and exposure, e.g. head protection, protective boots, chemical-protection suit.

Section 9. Physical and Chemical Properties

Appearance:	Liquid				
Form:	Not applicable				
Colour:	Colorless				
Odour:	Polyol				
Odour threshold:	No data available				
pH:		Minimum 6	Maximum 6.5	15% MeOH:Water 10:1	
Melting point:	Not applicable				
Boiling point:	240	°C			
Flash point:	232	°C	COC		
Density:	0.999	g/cm3	25	°C	
Bulk density:	Not applicable				
Viscosity:	156	Minimum	Maximum	cPs	25 °C
Vapour pressure:	No data available				
Vapour density:	No data available				
Molar mass:	~ 1038	g/mol			
Partition coefficient n-octanol/water:	No data available				
Evaporation rate:	No data available				
Flammability (solid, gas):	No data available				
Auto-ignition temperature:	No data available				
Decomposition temperature:	No data available				

Section 10. Stability and Reactivity

Reactivity:	No data available
Chemical stability:	The product is stable if stored and handled as prescribed/indicated.
Possibility of hazardous reactions:	No data available
Conditions to avoid:	Avoid any ignition sources: heat, sparks or open flame.
Incompatible materials:	Avoid contact with oxidizing materials. Avoid contact with isocyanates, the reaction of polyol with some isocyanates is exothermic. Avoid contact with strong acids and strong bases.
Hazardous decomposition products:	No hazardous decomposition products are known if stored and handled as prescribed/indicated.



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Section 11. Toxicological Information

Acute toxicity: Harmful if swallowed.

Oral:

Type of value: ATE

Value: > 300 - <= 2000 mg/kg

Inhalation: No applicable information available.

Type of value:

Value:

Remarks:

Dermal: No applicable information available.

Type of value:

Value:

Skin corrosion/irritation: No applicable information available.

Serious eye damage/irritation: No applicable information available.

Respiratory or skin sensitization: No applicable information available.

Germ cell mutagenicity: No applicable information available.

Carcinogenicity: No applicable information available.

Teratogenicity: No applicable information available.

Reproductive toxicity: No applicable information available.

Specific target organ toxicity-single exposure: No applicable information available.

Specific target organ toxicity-repeated exposure: No applicable information available.

Aspiration hazard: No applicable information available.

Section 12. Ecological Information

Toxicity: No applicable information available.

Aquatic toxicity: No applicable information available.

Persistence and degradability: No applicable information available.

Bioaccumulative potential: No applicable information available.

Mobility in soil: No applicable information available.

Other adverse effects: No applicable information available.

Section 13. Disposal Considerations

Waste disposal of substance: Dispose of in accordance with national, state and local regulations. Container disposal: Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

Section 14. Transport Information

ADR/RID (Land)

Not classified as a dangerous good under transport regulations

IMDG (Sea)

Not classified as a dangerous good under transport regulations

IATA (Air)

Section 15. Regulatory Information

Safety, health and environmental regulations specific for the product:

Not applicable



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Other regulatory information (Montreal Protocol, Stockholm Convention and Rotterdam Convention):

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Revision date: March 2015

SARA 313 Components: No chemicals in this material are subject to reporting levels established by SARA Title III, Section 313.

Revision date: March 2015

Massachusetts: Right To Know Components:

There are no components subject to the Massachusetts Right to Know Act.

New Jersey: Right To Know Components:

CAS Number: 25322-69-4 Chemical name: Polypropylene glycol.

Pennsylvania: Right To Know Components:

CAS Number: 25322-69-4 Chemical name: Polypropylene glycol.

State regulations: California Prop. 65 Components: THIS PRODUCT DOES NOT CONTAIN ANY CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

Other federal regulation:

This safety data sheet was updated according to the requirements of the Globally Harmonized System, in attention to compliance with a mexican regulation. It notes that this policy is currently, not mandatory for manufacturers and distributors of chemicals in Mexico.

NFPA Hazard codes:

Health: 1

Fire: 1

Reactivity: 0

Special:

HMIS III rating

Health: 1

Fire: 1

Reactivity: 0

PPE: G

Section 16. Other Information

a) Revision date: 09-jun-17

b) Explanation of abbreviations and acronyms:

TWA (Time weighted average): is the average exposure to any hazardous gas in the workplace based on an eight-hour workday or 40-hour work week. It is the maximum amount one may be exposed to without experiencing significant adverse health effects over said period. Once the TWA has been exceeded, the worker may not re-enter the space for the remainder of the day.

WEEL@s (Workplace Environmental Exposure Levels): WEEL@s may be expressed as TWA. Different time periods are specified depending on the properties of the agent. An eight-hour TWA indicates a time-weighted average concentration for a normal 8-hour workday and a 40-hour work week. A ceiling limit should not be exceeded at any time during the workday.

c) References:

Workplace Environmental Exposure Limits. WEEL@ Values (2011).

<https://www.aiha.org/get-involved/AIHAGuidelineFoundation/WEELs/Pages/default.aspx>

NIH U.S. National Library of Medicine. Toxicology Data Network

Detail of corrections and/or clarifications of HDS, if is necessary:

This safety data sheet was updated according to the requirements of the Globally Harmonized System. The product has not been tested. Some information on safety principally (physical hazard, health hazard and environmental hazard statements), toxicology information, and ecotoxicology information, have been taken/derived from products of a similar structure and/or composition in attention to compliance with Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

NOTICE

IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL. THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION WILL NOT BE CONSIDERATE ANY EVENT AS PART OF OUR TERMS AND CONTIDIONS OF SALES. THIS INFORMATION GIVEN AND ACCEPTED AT YOUR OWN RISK. POLIOLES CORPORATION WILL NOT MAKE ITS PRODUCTS

SAFETY DATA SHEET



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AVAILABLE TO CUSTOMERS FOR USE IN THE MANUFACTURE OF MEDICAL DEVICES WHICH ARE INTENDED FOR PERMANENT IMPLANTATION IN THE HUMAN BODY OR IN PERMANENT CONTACT WITH INTERNAL BODILY TISSUES OR FLUIDS. WE AT POLIOLES TAKE PRIDE IN OUR PRODUCTS, AND OUR TRADITION OF DEVELOPING INNOVATIVE APPLICATIONS IN PARTNERSHIP WITH OUR CUSTOMERS. HOWEVER, THE POSSIBILITY OF BEING REQUIRED TO RESPOND TO UNFOUNDED LITIGATION AND/OR CLAIMS ARISING OUT OF CONCERNS RELATING TO SUCH USE PRESENTS AN UNACCEPTABLE RISK TO THE COMPANY.

END OF DATA SHEET.