



Tensapol 80T

Revision date: 29-jun-16

Version: 0.0

Code: GHS-0172

Section 1. Identification

Identification

Product name: Tensapol 80T**Chemical name:** Sorbitan, mono-(9Z)-9-octadecenoate, poly(oxy-1,2-ethanediyl) derivs.**Others means of identification:** Polyethylene glycol sorbitan monooleate; Polyoxyethylene sorbitan monooleate; Polysorbate 80

Recommended use of the chemical and restrictions on use

Chemical

Suitable for industrial sector: chemical industry.

Details of the supplier of the safety data sheet

POLIOLES S.A. de C.V.

Planta Lerma:

Carretera México - Toluca Km 52.5 Lote A

Lerma, Estado de México. C.P. 52000

Teléfono: +52 (722) 265 8600

Corporativo:

Fernando Montes de Oca 71

Colonia Condesa, México, D.F.

Teléfono: +52 (559) 140 0500

Emergency telephone number

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

Section 2. Hazard Identification

Classification of the substance or mixture

Classification:

Serious eye damage/eye irritation

Hazardous to the aquatic environment (Acute)

Hazardous to the aquatic environment (Chronic)

Category:

1

Acute - 3

Chronic - 3

GHS Label elements

Pictogram: Corrosion**Signal word:** Danger**Hazard statement(s):**

H318 Causes serious eye damage.

H402 Harmful to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statement(s):

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor

P501 Dispose of contents/container to an approved waste disposal plant, in accordance with applicable local regulations.

Other hazards:

No known other hazards



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Section 3. Composition/Information on ingredients

Chemical identity:	CAS number:	Content:
Sorbitan, mono-(9Z)-9-octadecenoate, poly(oxy-1,2-ethanediyl) derivs.	9005-65-6	100 %

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 known specific antidote.

Section 5. Fire-Fighting Measures

Extinguishing media:

Suitable extinguishing media: water spray, dry powder or foam

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 the appropriate personal protective equipment. 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 leak if without risk. For large

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. Keep emergency equipment available. Label containers. Keep closed when not occupied. Empty containers may contain residues.

Conditions for safe storage, including incompatibilities:

We recommend storing in an indoor, dry, well ventilated, at room temperature. Keep away from direct sunlight and heat sources. Avoid excessive high or low temperatures, as well as contact with moisture to further ensure product quality. Segregate from acid



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Section 8. Exposure Controls/Personal Protection

Control parameters

Component	CAS	Parameter
Contains no substances with occupational exposure limit values.	-	-

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:	Light yellow to amber										
Odour:	Characteristic										
Odour threshold:	No data available										
pH:	Minimum		5	Maximum		6.5	5% aqueous				
Melting point:	Not applicable										
Boiling point:	110		°C								
Flash point:	315		°C		COC						
Density:	1.07		g/cm3		25		°C				
Bulk density:	Not applicable										
Viscosity:	Minimum				Maximum		462	cPs		25	°C
Vapour pressure:	No data available										
Vapour density:	No data available										
Molar mass:	~ 1308		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:	Corrosion to metals: no corrosive effect on metal.
Chemical stability:	The product is stable if stored and handled as prescribed/indicated.
Possibility of hazardous reactions:	The product is chemically stable.
Conditions to avoid:	Avoid any ignition sources: heat, sparks or open flame.
Incompatible materials:	Avoid contact with strong oxidizing materials and strong bases and strong acids. Avoid contact with isocyanates; polyol reaction with some isocyanates is exothermic.
Hazardous decomposition products:	No hazardous decomposition products are known if stored and handled as prescribed/indicated.

Section 11. Toxicological Information

Acute toxicity:	No applicable information available
Oral:	No applicable information available
Type of value:	-
Value:	-

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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:** Risk of serious damage to eyes.**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:** Acutely harmful for aquatic organisms. May cause long-term adverse effects in the aquatic environment.**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)

Not classified as a dangerous good under transport regulations

Section 15. Regulatory Information

Safety, health and environmental regulations specific for the product:

Not applicable

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.

SARA 313 Components: 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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Massachusetts Right To Know Components: No components are subject to the Massachusetts Right to Know Act.

New Jersey Right To Know Components: CAS Number: 9005-65-6 Chemical name: Sorbitan, mono-(9Z)-9-octadecenoate, poly(oxy-1,2-ethanediyl) derivative.

Pennsylvania Right To Know Components: CAS Number: 9005-65-6 Chemical name: Sorbitan, mono-(9Z)-9-octadecenoate, poly(oxy-1,2-ethanediyl) derivative.

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 (NMX-R-019-SCFI-2011). 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: Not applicable

HMIS III rating

Health: 1
Fire: 1
Reactivity: 0
PPE: G

Section 16. Other Information

a) Revision date: 29-jun-16

b) Explanation of abbreviations and acronyms:

None.

c) References:

Not applicable

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 CONDITIONS OF SALES. THIS INFORMATION GIVEN AND ACCEPTED AT YOUR OWN RISK. POLIOLES CORPORATION WILL NOT MAKE ITS PRODUCTS 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 A UNACCEPTABLE RISK TO THE COMPANY.

END OF DATA SHEET.