

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

93682-PROPYLENEGLYCOL

Version 1 Date of compilation: 20/10/2015

Version 6 (replaces version 5)

Revision date: 04/09/2023



Page 1 of 12

Print date: 04/09/2023

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING.

1.1 Product identifier.

Product Name: PROPYLENEGLYCOL
Product Code: 93682
Chemical Name: Propylene glycol
CAS No: 57-55-6
EC No: 200-338-0
Registration No: 01-2119456809-23-XXXX

1.2 Relevant identified uses of the substance or mixture and uses advised against.

Excipient pharmaceutical use
cosmetic use
Alimentary use

Uses advised against:

Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet.

Company: **GUINAMA**
Address: C/ Oslo Nº3
City: 46185 La Pobla de Vallbona
Province: Valencia
Telephone: +34961869090 / 902119816
Fax: +34961850352
E-mail: ventas@guinama.com
Web: www.guinama.com

1.4 Emergency telephone number: +34961869090 / 902119816 (Only available during office hours; Monday-Friday; 08:00-18:00)

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the substance or mixture.

The product is not classified as hazardous within the meaning of Regulation (EC) No 1272/2008.

2.2 Label elements.

Este producto no esta clasificado como peligroso según el Reglamento CE 1272/2008.

2.3 Other hazards.

The substance is not PBT
The substance is not vPvB
Substance does not have endocrine disrupting properties.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Substances.

Identifiers	Name	Concentrate	(*)Classification - Regulation (EC) No 1272/2008	
			Classification	Specifics concentration limits and Acute toxicity estimate
CAS No: 57-55-6 EC No: 200-338-0	Propylene glycol	75 - 100 %	-	-

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

93682-PROPYLENEGLYCOL

Version 1 Date of compilation: 20/10/2015
Version 6 (replaces version 5)

Revision date: 04/09/2023



Page 2 of 12
Print date: 04/09/2023

3.2 Mixtures.

Not applicable.

SECTION 4: FIRST AID MEASURES.

4.1 Description of first aid measures.

Due to the composition and type of the substances present in the product, no particular warnings are necessary.

Inhalation.

If breathing stops, seek emergency medical attention. Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration.

Eye contact.

Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

Skin contact.

Remove contaminated clothing.

Ingestion.

Keep calm. NEVER induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed.

No known acute or delayed effects from exposure to the product.

4.3 Indication of any immediate medical attention and special treatment needed.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

SECTION 5: FIREFIGHTING MEASURES.

5.1 Extinguishing media.

Suitable extinguishing media:

Extinguisher powder or CO₂. In case of more serious fires, also alcohol-resistant foam and water spray.

Unsuitable extinguishing media:

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

5.2 Special hazards arising from the substance or mixture.

Special risks.

Exposure to combustion or decomposition products can be harmful to your health.

5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account.

Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots.

SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures.

For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions.

Product not classified as hazardous for the environment, avoid spillage as much as possible.

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

93682-PROPYLENEGLYCOL

Version 1 Date of compilation: 20/10/2015
Version 6 (replaces version 5)

Revision date: 04/09/2023



Page 3 of 12
Print date: 04/09/2023

6.3 Methods and material for containment and cleaning up.

Contain and collect spillage with inert absorbent material (earth, sand, vermiculite, Kieselguhr...) and clean the area immediately with a suitable decontaminant.

Deposit waste in closed and suitable containers for disposal, in compliance with local and national regulations (see section 13).

6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.

The product does not require special handling measures, the following general measures are recommended:

For personal protection, see section 8.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities.

The product does not require special storage measures. As general storage measures, sources of heat, radiation, electricity and contact with food should be avoided.

Keep away from oxidising agents and from highly acidic or alkaline materials.

Store the containers between 15 and 25 ° C, in a dry and well-ventilated place.

Store according to local legislation. Observe indications on the label. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

7.3 Specific end use(s).

Not available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

The product does NOT contain substances with Professional Exposure Environmental Limit Values. The product does NOT contain substances with Biological Limit Values.

Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Type	Value
Propylene glycol CAS No: 57-55-6 EC No: 200-338-0	DNEL (Workers)	Inhalation, Chronic, Local effects	10 (mg/m ³)
	DNEL (Workers)	Inhalation, Chronic, Systemic effects	168 (mg/m ³)
	DNEL (Consumers)	Inhalation, Chronic, Systemic effects	50 (mg/m ³)
	DNEL (Consumers)	Inhalation, Chronic, Local effects	10 (mg/m ³)
	DNEL (Consumers)	Dermal, Chronic, Systemic effects	213 (mg/m ³)
	DNEL (Consumers)	Oral, Chronic, Systemic effects	85 (mg/m ³)

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

Concentration levels PNEC:

Name	Details	Value
------	---------	-------

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

93682-PROPYLENEGLYCOL



Version 1 Date of compilation: 20/10/2015
Version 6 (replaces version 5)

Revision date: 04/09/2023

Page 4 of 12
Print date: 04/09/2023

Propylene glycol CAS No: 57-55-6 EC No: 200-338-0	Fresh water	260 (mg/l)
	Marine water	26 (mg/l)
	STP	20000 (mg/l)
	Sedimento (de agua dulce)	572 (mg/kg)
	Sedimento (de agua marina)	57,2 (mg/kg)
	Soil	50 (mg/kg)
	Liberación itermitente	183 (mg/l)

PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

8.2 Exposure controls.

Measures of a technical nature:

Concentration:	100 %
Uses:	Excipient pharmaceutical use cosmetic use Alimentary use
Breathing protection:	
If the recommended technical measures are observed, no individual protection equipment is necessary.	
Hand protection:	
If the product is handled correctly, no individual protection equipment is necessary.	
Eye protection:	
If the product is handled correctly, no individual protection equipment is necessary.	
Skin protection:	
PPE:	Work footwear.
Characteristics:	«CE» marking, category II.
CEN standards:	EN ISO 13287, EN 20347
Maintenance:	This product adapts to the first user's foot shape. That is why, as well as for hygienic reasons, it should not be used by other people.
Observations:	Work footwear for professional use includes protection elements aimed at protecting users against any injury resulting from an accident

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Physical state: Liquid

Colour: Colorless or various colors

Odour: Deodorized

Odour threshold: Not applicable/Not available due to the nature/properties of the product

Melting point: < -20 °C

Freezing point: < -20 °C

Boiling point or initial boiling point and boiling range: 188 °C

Flammability: Not applicable/Not available due to the nature/properties of the product

Lower explosion limit: 2,6%

Upper explosion limit: 12,5%

Flash point: 101 (closed cup, 1013 hPa, ISO 2719: Flash point (Pensky-Martens))

Auto-ignition temperature: >370 °C

Decomposition temperature: Not applicable/Not available due to the nature/properties of the product

pH: Not applicable/Not available due to the nature/properties of the product

Kinematic viscosity: Not applicable/Not available due to the nature/properties of the product

Solubility: Not applicable/Not available due to the nature/properties of the product

Hydrosolubility: Soluble in water

Liposolubility: Not applicable/Not available due to the nature/properties of the product

Partition coefficient n-octanol/water (log value): -1,07

Vapour pressure: 20 Pa

Absolute density: Not applicable/Not available due to the nature/properties of the product

Relative density: 1,03-1,05

Relative vapour density: 2,62

Particle characteristics: Not applicable/Not available due to the nature/properties of the product

9.2 Other information

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

93682-PROPYLENEGLYCOL

Version 1 Date of compilation: 20/10/2015

Version 6 (replaces version 5)

Revision date: 04/09/2023



Page 5 of 12

Print date: 04/09/2023

Information with regard to physical hazard classes

Explosives:

Explosive properties: Not explosive

Oxidising liquids:

Oxidizing properties: Not

Other safety characteristics

Viscosity: 43,4 mPa·s

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.

The product does not present hazards by their reactivity.

10.2 Chemical stability.

Stable at normal room temperature and when used as recommended

10.3 Possibility of hazardous reactions.

it will not polymerize

10.4 Conditions to avoid.

Avoid any improper handling.

10.5 Incompatible materials.

Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

10.6 Hazardous decomposition products.

Thermal decomposition or combustion may release carbon dioxide or other toxic gases or vapors. aldehydes. Alcohols. ethers. Acids- organic. Oxides of the following substances: Carbon.

SECTION 11: TOXICOLOGICAL INFORMATION.

11.1 Information on hazard classes as defined in Regulation (EC) N° 1272/2008.

Toxicological information.

Name	Acute toxicity			
	Type	Test	Kind	Value
Propylene glycol	Oral	LD50	Rat	22000 mg/kg bw [1]
		LD50	Dog	20000 mg/kg bw [2]
		LD50	Rat	20300 mg/kg bw [3]
		LD50	Rat	33500 mg/kg bw [4]
		LD50	Mouse	24900 mg/kg bw [5]
		LD50	Guinea pig	19700 mg/kg bw [6]
		LD50	Guinea pig	18350 mg/kg bw [7]
		LD50	Rabbit	18000 mg/kg bw [8]

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

93682-PROPYLENEGLYCOL



Version 1 Date of compilation: 20/10/2015
Version 6 (replaces version 5)

Revision date: 04/09/2023

Page 6 of 12
Print date: 04/09/2023

CAS No: 57-55-6 EC No: 200-338-0		[1] Ruddick, J.A. (1972). Toxicology, Metabolism and Biochemistry of 1, 2-Propanediol. <i>Tox. Appl. Pharmacol.</i> 21, 102-111. [2] Laug, et al. (1939). <i>J. Ind. Hyg. Tox.</i> Vol. 21, pgs. 173-201. [3] Clark, CR, Marshall, TC, Merickel, BS, Sanchez, A, Brownstein, DG, and Hobbs, CH (1979): Toxicological assessment of heat transfer fluids proposed for use in solar energy applications. <i>Toxicol Appl. Pharmacol.</i> 51: 529-535. [4] Weatherby, J.H., and H.B. Haag. (1938). Toxicity of propylene glycol. <i>J. Am. Pharm. Assoc.</i> 27:466-471. [5] Laug, et al. (1939). <i>J. Ind. Hyg. Tox.</i> Vol. 21, pgs. 173-201. [6] Laug, et al. (1939). <i>J. Ind. Hyg. Tox.</i> Vol. 21, pgs. 173-201. [7] Smyth, H.F., Jr., J. Seaton, and L. Fischer. (1941). The single dose toxicity of some glycols and derivatives. <i>J. Ind. Hyg. Tox.</i> 23:259-268. [8] Laug, et al. (1939). <i>J. Ind. Hyg. Tox.</i> Vol. 21, pgs. 173-201.
	Dermal	LD50 Rabbit 20800 mg/kg bw [1] [1] Raw Mater. Data Handb. (1974), Vol. 1, pg. 101, 1974, as cited in the RTECS.
	Inhalation	

Acute toxicity - oral

Acute oral toxicity (LD50 22,000.0 mg/kg)

Rat species

Notes (oral LD50) This product has low toxicity. LD50 > 20000 mg/kg, Oral, Rat

Oral ATE (mg/kg) 22,000.0

Acute toxicity - dermal

Notes (dermal LD50) LD50 > 2000 mg/kg, dermal, Rabbit

Acute toxicity - inhalation

Notes (inhalation LC50) LC50 317.042 mg/l, 2 hours, Dust/mist Rat

Skin corrosion/irritation

Animal data Non-irritating. Rabbit OECD 404

Serious eye damage/irritation

Serious eye damage/irritation May cause temporary eye irritation.

respiratory sensitization

Respiratory sensitization Information not available.

skin sensitization

Skin sensitization Not sensitizing. Guinea Pig OECD 406

Germ cell mutagenicity

Genotoxicity - in vitro This substance has no evidence of mutagenic properties. Negative Ames Test OECD 473

carcinogenicity

Carcinogenicity There is no evidence of a carcinogenic effect in animal studies.

reproductive toxicity

Reproductive toxicity - fertility

There is no evidence of reproductive toxicity in animal studies.

Specific target organ toxicity - single exposure

STOT - single exposure Information not available.

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

93682-PROPYLENEGLYCOL

Version 1 Date of compilation: 20/10/2015

Version 6 (replaces version 5)

Revision date: 04/09/2023



Page 7 of 12

Print date: 04/09/2023

Specific target organ toxicity - repeated exposure
STOT - Repeated Exposure Information not available.

Aspiration hazard

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

Toxicokinetics The substance / mixture does not contain any components considered to have anti-toxic properties.
endocrine disruption according to REACH article 57 (f) or the Delegated Regulation
Commission Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of
0.1% or higher.

Inhalation Gas or vapor in high concentrations may irritate the respiratory system.

Ingestion May cause discomfort if swallowed.

Skin Contact Skin irritation should not occur when used as recommended.

Eye contact May cause temporary eye irritation.

11.2 Information on other hazards.

Endocrine disrupting properties

This product does not contain components with endocrine-disrupting properties with effects on human health.

Other information

There is no information available on other adverse health effects.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

Name	Ecotoxicity			
	Type	Test	Kind	Value
Propylene glycol	Fish		Oncorhynchus mykiss	
			Pimephales promelas	
		LC50 24 hr	Pimephales promelas	51600 mg/l (96 h) [1]
		LC50 50	Pimephales promelas	46500 mg/l (96 h) [2]
		LC50 24hr	Pimephales promelas	51400 mg/l (96 h)
		LC50 50	Pimephales promelas	65610 (96 h) [3]
		LC50 100	Pimephales promelas	51400 mg/l (96 h) [4]
		LC50 100	Pimephales promelas	62000 mg/l (48 h) [5]
		LC50 100	Pimephales promelas	55770 mg/l (7 d) [6]
		LC50 100	Pimephales promelas	23800 mg/l (96 h) [7]
		LC50 100	Pimephales promelas	5000 mg/l (24 h) [8]
		LC50 100	Cyprinodon variegatus	50000 mg/l (24 h) [9]
		LC0 100	Carassius auratus	
		LC0 100	Salmo gairdneri (Oncorhynchus mykiss)	

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

93682-PROPYLENEGLYCOL



Version 1 Date of compilation: 20/10/2015
Version 6 (replaces version 5)

Revision date: 04/09/2023

Page 8 of 12
Print date: 04/09/2023

		<p>[1] Boeri, RL and Ward, TJ (1990a) Static acute toxicity of propylene glycol to the rainbow trout, <i>Oncorhynchus mykiss</i>. EnviroSystems Study No 8928-A for ARCO Chemical Co.</p> <p>[2] Weinberg, J.T., H.D. Kirk, J.A. Miller, M.F. Servinski. (1993). Evaluation of the acute toxicity of industrial grade propylene glycol to representative freshwater organisms. Unpublished report of The Dow Midland Company. Midland, Michigan, 48674.</p> <p>[3] DOW (1981): Report ES-462.</p> <p>[4] ARCO Chemical Company. 1990a. Static Acute Toxicity of Propylene Glycol to the Fathead Minnow, <i>Pimephales promelas</i>. Enviro Systems (Study No. 8930-A). Feb. 7. Unpublished report.</p> <p>[5] Pillard, D.A. (1995). Comparative toxicity of formulated glycol deicers and pure ethylene and propylene glycol to <i>Ceriodaphnia dubia</i> and <i>Pimephales promelas</i>. Environ. Toxicol. Chem. 14:311-315.</p> <p>[6] Pillard, D.A. (1995). Comparative toxicity of formulated glycol deicers and pure ethylene and propylene glycol to <i>Ceriodaphnia dubia</i> and <i>Pimephales promelas</i>. Environ. Toxicol. Chem. 14:311-315.</p> <p>[7] ARCO Chemical Company. 1990c. Static Acute Toxicity of Propylene Glycol to the Fathead Minnow, <i>Pimephales promelas</i>. Enviro Systems (Study No. 8930-A0). Feb. 7. unpublished report.</p> <p>[8] Bridie, A.L. et al. 1979b. Water Res. 13: 623-626.</p> <p>[9] Majewski, H.S. et al. (1978): Water Res. 13: 217-221.</p>																		
	Aquatic invertebrates	<table border="0"> <tr> <td>EC50</td> <td><i>Daphnia magna</i></td> <td>70700 mg/l (48 h) [1]</td> </tr> <tr> <td>EC50</td> <td><i>Mysidopsis bahia</i></td> <td>23400 mg/l (96 h) [2]</td> </tr> <tr> <td>EC50</td> <td>(<i>Americamysis bahia</i>)</td> <td>18340 mg/l (48 h) [3]</td> </tr> <tr> <td>EC100</td> <td><i>Ceriodaphnia sp.</i></td> <td>50000 mg/l (48 h) [4]</td> </tr> <tr> <td>EC50</td> <td><i>Daphnia magna</i></td> <td>10000 mg/l (24 h) [5]</td> </tr> <tr> <td></td> <td><i>Artemia salina</i></td> <td></td> </tr> </table> <p>[1] ARCO Chemical Company. 1990d. Static Acute Toxicity of Propylene Glycol to the Daphnid, <i>Daphnia magna</i>. Enviro Systems (Study No. 8926-A). Feb. 8.</p> <p>[2] Boeri, RL and Ward TJ (1990c) Static acute toxicity of propylene glycol to the mysid, <i>Mysidopsis bahia</i>. EnviroSystems Study No 8934-A for ARCO Chemical Co.</p> <p>[3] Pillard, D.A. (1995). Comparative toxicity of formulated glycol deicers and pure ethylene and propylene glycol to <i>Ceriodaphnia dubia</i> and <i>Pimephales promelas</i>. Environ. Toxicol. Chem. 14:311-315.</p> <p>[4] DOW (1981): Report ES-462.</p> <p>[5] Price, KS, Waggy, GT and Conway, RA (1974) Brine shrimp bioassay and seawater BOD of petrochemicals. J Water Pollut Contr Fed, 46, 63 - 77.</p>	EC50	<i>Daphnia magna</i>	70700 mg/l (48 h) [1]	EC50	<i>Mysidopsis bahia</i>	23400 mg/l (96 h) [2]	EC50	(<i>Americamysis bahia</i>)	18340 mg/l (48 h) [3]	EC100	<i>Ceriodaphnia sp.</i>	50000 mg/l (48 h) [4]	EC50	<i>Daphnia magna</i>	10000 mg/l (24 h) [5]		<i>Artemia salina</i>	
EC50	<i>Daphnia magna</i>	70700 mg/l (48 h) [1]																		
EC50	<i>Mysidopsis bahia</i>	23400 mg/l (96 h) [2]																		
EC50	(<i>Americamysis bahia</i>)	18340 mg/l (48 h) [3]																		
EC100	<i>Ceriodaphnia sp.</i>	50000 mg/l (48 h) [4]																		
EC50	<i>Daphnia magna</i>	10000 mg/l (24 h) [5]																		
	<i>Artemia salina</i>																			
CAS No: 57-55-6 EC No: 200-338-0	Aquatic plants	<table border="0"> <tr> <td>EC50</td> <td><i>Selenastrum sp.</i></td> <td>19000 mg/l (14 d) [1]</td> </tr> <tr> <td>EC50</td> <td><i>Skeletonema costatum</i></td> <td>19100 mg/l (14 d) [2]</td> </tr> </table> <p>[1] ARCO Chemical Company. 1990f. Static Acute Toxicity of Propylene Glycol to the Marine Algae, <i>Skeletonema Costatum</i>. EnviroSystems. (Study No. 8960-A), Feb. 7. unpublished report.</p> <p>[2] Boeri, RL and Ward, TJ (1990e) Static acute toxicity of propylene glycol to the daphnid, <i>Daphnia magna</i>. EnviroSystems Study No 8960-A for ARCO Chemical Co.</p>	EC50	<i>Selenastrum sp.</i>	19000 mg/l (14 d) [1]	EC50	<i>Skeletonema costatum</i>	19100 mg/l (14 d) [2]												
EC50	<i>Selenastrum sp.</i>	19000 mg/l (14 d) [1]																		
EC50	<i>Skeletonema costatum</i>	19100 mg/l (14 d) [2]																		

Acute aquatic toxicity
Acute toxicity - Fish LC50, 96 hours: 40613 mg/l, *Oncorhynchus mykiss*
OECD 203

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

93682-PROPYLENEGLYCOL

Version 1 Date of compilation: 20/10/2015

Version 6 (replaces version 5)

Revision date: 04/09/2023



Page 9 of 12

Print date: 04/09/2023

Acute toxicity -
aquatic invertebrates
LC50, 48 hours: 18340 mg/l, Daphnia magna
Ceriodaphnia dubia (water flea)
OECD 202
Acute toxicity - plants
aquatic
ErC50, 96 hours: 19000 mg/l, Pseudokirchneriella subcapitata
OECD 201
Acute toxicity -
microorganisms
NOEC, 18 hour: > 20000 mg/l,
Pseudomonas putida
Chronic aquatic toxicity
Chronic toxicity -
aquatic invertebrates
NOEC, 7 day: 13020 mg/l,
Ceriodaphnia dubia (water flea)

12.2 Persistence and degradability.

Persistence and degradability The substance is readily biodegradable.

biodegradation

- Degradation >81%: 28 days OECD 301F
- Degradation 96%: 64 days

Biological demand for

oxygen BOD5: 1170 mg O2/l

Chemical oxygen demand 4700 mg O2/l

No information is available on the degradability

No information is available about persistence and degradability of the product.

12.3 Bioaccumulative potential.

Information about the bioaccumulation.

Name	Bioaccumulation			
	Log Pow	BCF	NOECs	Level
Propylene glycol CAS No: 57-55-6 EC No: 200-338-0	-107	-	-	Very low

12.4 Mobility in soil.

Mobility The product is soluble in water.

Adsorption coefficient /
desorption

- Koc: 2.9 @ 20°C - Log Koc: 0.46 @ 20°C
- Henry's constant 0.00566 atm m³/mol @ 12°C

12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

12.6 Endocrine disrupting properties.

This product doesn't contain components with environmental endocrine disrupting properties.

12.7 Other adverse effects.

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

93682-PROPYLENEGLYCOL

Version 1 Date of compilation: 20/10/2015

Version 6 (replaces version 5)

Revision date: 04/09/2023



Page 10 of 12

Print date: 04/09/2023

No information is available about other adverse effects for the environment.

SECTION 13: DISPOSAL CONSIDERATIONS.

13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

SECTION 14: TRANSPORT INFORMATION.

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

14.1 UN number or ID number.

Transportation is not dangerous.

14.2 UN proper shipping name.

Description:

ADR/RID: Not classified as hazardous for transport.

IMDG: Not classified as hazardous for transport.

ICAO/IATA: Not classified as hazardous for transport.

14.3 Transport hazard class(es).

Transportation is not dangerous.

14.4 Packing group.

Transportation is not dangerous.

14.5 Environmental hazards.

Transportation is not dangerous.

Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): Not applicable.

14.6 Special precautions for user.

Transportation is not dangerous.

14.7 Maritime transport in bulk according to IMO instruments.

Not classified as hazardous for transport.

SECTION 15: REGULATORY INFORMATION.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION.

Changes regarding to the previous version:

- Changes in the information of the supplier (SECTION 1.3).
- Changes in the composition of the product (SECTION 3.2).

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

93682-PROPYLENEGLYCOL



Version 1 Date of compilation: 20/10/2015

Version 6 (replaces version 5)

Revision date: 04/09/2023

Page 11 of 12

Print date: 04/09/2023

- Modifications in the first aid measures (SECTION 4.1).
- Modification of the information of the stability and reactivity conditions (SECTION 10.4).
- Modification of the information of the stability and reactivity conditions (SECTION 10.5).

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

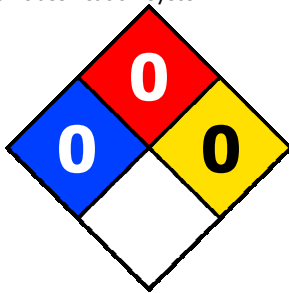
Physical hazards	On basis of test data
Health hazards	Calculation method
Environmental hazards	Calculation method

It is recommended that the product only be employed for the purposes advised.

Information on the TSCA Inventory (Toxic Substances Control Act) USA:

CAS No	Name	State
57-55-6	Propylene glycol	Registered

Risk classification system NFPA 704:



Health hazard: 0 (Normal Material)

Flammability: 0 (Will not burn)

Reactivity: 0 (Stable)

Abbreviations and acronyms used:

BCF: Bioconcentration factor.
CEN: European Committee for Standardization.
DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.
DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.
EC50: Half maximal effective concentration.
PPE: Personal protection equipment.
LC50: Lethal concentration, 50%.
LD50: Lethal dose, 50%.
NOEC: No observed effect concentration.
PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>
<http://echa.europa.eu/>
Regulation (EU) 2020/878.
Regulation (EC) No 1907/2006.
Regulation (EC) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemical substances and mixtures (REACH).

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

93682-PROPYLENEGLYCOL

Version 1 Date of compilation: 20/10/2015

Version 6 (replaces version 5)

Revision date: 04/09/2023



GUINAMA

ABSOLUTA CALIDAD

Page 12 of 12

Print date: 04/09/2023

responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.