



PROPYLENE GLYCOL VEGETAL

Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

Reference number: MPG VEGETAL

Issue date: 4/13/2022 Revision date: 4/8/2024 Supersedes version of: 2/16/2024 Version: 1.2

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form	: Substance
Substance name	: PROPYLENE GLYCOL VEGETAL
EC-No.	: 200-338-0
CAS-No.	: 57-55-6
REACH registration No.	: 01-2119456809-23
Product code	: MPG VEGETAL

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

1.2.1. Relevant identified uses

Use of the substance/mixture : utilisation industrielle

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of product safety information sheet

INTERCHIMIE
ZAC du Parc
13 rue Louis Blériot
FR- 77290 COMPANS
T T: +33 (0)1 64 77 76 27
qualite@interchimie.fr, www.interchimie.fr

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

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SECTION 3: Composition/information on ingredients

3.1. Substances

Name : PROPYLENE GLYCOL VEGETAL
CAS-No. : 57-55-6
EC-No. : 200-338-0

Name	Product identifier	%
propane-1,2-diol	CAS-No.: 57-55-6 EC-No.: 200-338-0 REACH-no: 01-2119456809-23	≥ 99

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : This product is not considered to be hazardous.
First-aid measures after inhalation : If you feel unwell, seek medical advice.
First-aid measures after skin contact : Wash with soapy water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact : Rinse eyes with water as a precaution. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion : Rinse mouth. This product is not considered to be hazardous. Get medical advice/attention if you feel unwell.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation : Cough. May cause respiratory irritation. Fatigue.
Symptoms/effects after skin contact : Rednesses.
Symptoms/effects after eye contact : Redness.
Symptoms/effects after ingestion : Large amounts: Abdominal pain, nausea.
Chronic symptoms : Change in the haemogramme/blood composition. Decreased renal function.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Water spray. Foam. Dry powder. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon dioxide. Carbon monoxide.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment.
Other information : Prevent fire fighting water from entering the environment.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Spill area may be slippery. Evacuate area.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13 : "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : This product is not considered to be hazardous.
Handling temperature : ≤ 40 °C
Hygiene measures : Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep away from sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

PROPYLENE GLYCOL VEGETAL (57-55-6)	
PNEC (Water)	
PNEC aqua (freshwater)	260 mg/l
PNEC aqua (marine water)	26 mg/l
PNEC aqua (intermittent, freshwater)	183 mg/l

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PNEC (Sediment)	
PNEC sediment (freshwater)	572 mg/kg dwt
PNEC sediment (marine water)	57.2 mg/kg dwt
PNEC (Soil)	
PNEC soil	50 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	1133 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	20000 mg/l

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:

Safety glasses. ISO 16321-1

8.2.2.2. Skin protection

No additional information available

8.2.2.3. Respiratory protection

No additional information available

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Appearance	: Liquid.
Odour	: odourless.
Odour threshold	: Not available
Melting point	: < -20 °C (1013.25 hPa, EU Method A.1: Melting/freezing point)
Freezing point	: Not available
Boiling point	: 184 °C (1003 hPa, EU Method A.2: Boiling point)
Flammability	: Not available
Lower explosion limit	: 2.6 vol %
Upper explosion limit	: 12.6 vol %
Flash point	: 102 °C
Auto-ignition temperature	: > 400 °C (1000 - 1001 hPa, EU Method A.15: Auto-ignition Temperature (liquids and gases))
Decomposition temperature	: Not available
pH	: Not available

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pH solution	: 6.5 – 7.5 (50%)
Viscosity, kinematic	: 41.84 mm ² /s
Viscosity, dynamic	: 43.43 mPa·s (25°C)
Solubility	: soluble in water. Soluble in ether. Soluble in ethanol. Soluble in acetone. Soluble in chloroform. Soluble in 1,4-dioxane. Water: 100 % (20 °C, EU Method A.6: Water solubility) Ethanol: complete Ether: 12 g/100ml Acetone: complete
Partition coefficient n-octanol/water (Log Kow)	: Not available
Partition coefficient n-octanol/water (Log Pow)	: -1.07 (Experimental value, EU Method A.8: Partition Coefficient, 20.5 °C)
Vapour pressure	: 0.2 hPa (25 °C, EU Method A.4: Vapour Pressure)
Vapour pressure at 50°C	: Not available
Density	: 1038 kg/m ³
Relative density	: 1.03 (20 °C, EU Method A.3: Relative Density)
Relative vapour density at 20°C	: 2.6
Relative density of saturated gas/air mixture	: 1
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

Relative evaporation rate (butylacetate=1)	: < 0.1
VOC content	: 100 % (1999/13/EC; 2004/42/EC; 2010/75/EU; SR 814.018)

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable at normal handling and storage conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. fume.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

PROPYLENE GLYCOL VEGETAL (57-55-6)

LD50 oral rat	> 2000 mg/kg
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PROPYLENE GLYCOL VEGETAL (57-55-6)

LD50 dermal rabbit	> 2000 mg/kg (24 h, Rabbit, Experimental value, Dermal, 14 day(s))
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propane-1,2-diol (57-55-6)

LC50 Inhalation - Rat	317 mg/l /2h
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Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

PROPYLENE GLYCOL VEGETAL (57-55-6)

Viscosity, kinematic	41.84 mm ² /s
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11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

PROPYLENE GLYCOL VEGETAL (57-55-6)

LC50 - Fish [1]	51600 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Experimental value)
LC50 - Fish [2]	40613 mg/l (Other, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value)

12.2. Persistence and degradability

PROPYLENE GLYCOL VEGETAL (57-55-6)

Persistence and degradability	Biodegradable.
Biochemical oxygen demand (BOD)	0.96 – 1.08 g O ₂ /g substance
Chemical oxygen demand (COD)	1.63 g O ₂ /g substance
ThOD	1.69 g O ₂ /g substance
Biodegradation	81.7 % (OECD 301F, 28d, CO ₂ evolution; JSM)

propane-1,2-diol (57-55-6)

Persistence and degradability	Readily biodegradable.
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12.3. Bioaccumulative potential

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Partition coefficient n-octanol/water (Log Pow)	-1.07 (Experimental value, EU Method A.8: Partition Coefficient, 20.5 °C)
Bioaccumulative potential	No bioaccumulation.

propane-1,2-diol (57-55-6)

Bioaccumulative potential	No bioaccumulation.
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12.4. Mobility in soil

PROPYLENE GLYCOL VEGETAL (57-55-6)

Surface tension	71.6 mN/m (21.5 °C, 1.01 g/l, EU Method A.5: Surface tension)
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propane-1,2-diol (57-55-6)

Mobility in soil	< 1 (log Koc)
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12.5. Results of PBT and vPvB assessment

PROPYLENE GLYCOL VEGETAL (57-55-6)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. La substance / le mélange n'a pas de propriétés de perturbation endocrinienne.

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations.
European List of Waste (LoW, EC 2000/532) : 15 01 04 - metallic packaging
15 01 02 - plastic packaging

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not regulated for transport				
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

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ADR	IMDG	IATA	ADN	RID
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Not listed on REACH Annex XVII

REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Not listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Not listed on the PIC list (Regulation EU 649/2012)

POP Regulation (Persistent Organic Pollutants)

Not listed on the POP list (Regulation EU 2019/1021)

Ozone Regulation (1005/2009)

Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

VOC Directive (2004/42)

VOC content : 100 % (1999/13/EC; 2004/42/EC; 2010/75/EU; SR 814.018)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

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Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

France

Occupational diseases	
Code	Description
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

Germany

Water hazard class (WGK) : WGK 1, Slightly hazardous to water (Classification according to VwVwS, Annex 1 or 2; ID No. 280).
Hazardous Incident Ordinance (12. BImSchV) : Is not subject to the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed
SZW-lijst van mutagene stoffen : The substance is not listed
SZW-lijst van reprotoxische stoffen – Borstvoeding : The substance is not listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : The substance is not listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling : The substance is not listed

15.2. Chemical safety assessment

This substance is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

SECTION 16: Other information

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Indication of changes			
Section	Changed item	Change	Comments
	Revision date	Added	
	Supersedes version of	Modified	
	Issue date	Modified	
4.1	First-aid measures after skin contact	Modified	
4.1	First-aid measures after eye contact	Modified	
12.6	Adverse effects on the environment caused by endocrine disrupting properties	Added	
13.1	European List of Waste (LoW, EC 2000/532)	Added	

Data sources : This MSDS has been established with data of MSDS coming from upstream suppliers.

Safety Data Sheet (SDS), EU