

Trade name: WIDOPAN-STGM**Current version :** 3.0.0, issued: 13.09.2024**Replaced version:** 2.0.0, issued: 19.05.2021**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****WIDOPAN-STGM**

Substance name propylene carbonate
REACH registration no. 01-2119537232-48

Identification numbers

CAS no. 108-32-7
EC no. 203-572-1
Index no. 607-194-00-1

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

General professional use.
General consumer use.

Uses advised against

No data available.

Reference to relevant exposure scenarios

For an overview of the exact titles of the relevant exposure scenarios please refer to section 16 of this SDS.

1.3 Details of the supplier of the safety data sheet**Address**

Widopan Produkte GmbH
Ostereichen 3
D-21714 Hammah

Telephone no. +49 (0) 4144 69821-0
Fax no. +49 (0) 4144 69821-20

Information provided by / telephone

+49 (0) 4144 69821-0

Advice on Safety Data Sheet

sdb_info@umco.de

Details of the importer**Address**

Widopan Limited
System House
Horndon Industrial Park
24 Station Rd
West Horndon
Brentwood
CM13 3XL

1.4 Emergency telephone number

For medical advice (in German and English):
+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Eye Irrit. 2; H319

Classification information

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This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3 and 4 of Annex I to CLP.

2.2 Label elements

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

Product identifier

108-32-7 (propylene carbonate)

Hazard pictograms



GHS07

Signal word

Warning

Hazard statement(s)

H319 Causes serious eye irritation.

Precautionary statement(s)

P264 Wash skin thoroughly after handling.

P280 Wear 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.

P337+P313 If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

PBT assessment

The product is not considered to be a PBT.

vPvB assessment

The product is not considered to be a vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical characterization

Substance name propylene carbonate

Molecular weight 102.09

Identification numbers

CAS no. 108-32-7

EC no. 203-572-1

Index no. 607-194-00-1

3.2 Mixtures

Not applicable. The product is not a mixture.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

After inhalation

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Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact

Rinse with plenty of water. Consult a doctor if skin irritation persists.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). In case of irritation consult an ophthalmologist.

After ingestion

Get medical attention if pain still persists. Rinse the mouth thoroughly with water. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Extinguishing measures to suit surroundings.

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When collected, handle material as described under the section heading "Disposal considerations".

6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Do not inhale vapours or dust. Provide eye wash fountain in work area.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

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7.2 Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions**

Keep container tightly closed in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage.

Incompatible products

Substances to be avoided, see section 10.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****DNEL, DMEL and PNEC values****DNEL values (worker)**

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	propylene carbonate			108-32-7 203-572-1	
	dermal	Long term (chronic)	systemic	20	mg/kg/day
	dermal	Long term (chronic)	local	10	mg/cm ²
	inhalative	Long term (chronic)	systemic	70.53	mg/m ³
	inhalative	Long term (chronic)	local	20	mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	propylene carbonate			108-32-7 203-572-1	
	oral	Long term (chronic)	systemic	10	mg/kg/day
	dermal	Long term (chronic)	systemic	10	mg/kg/day
	inhalative	Long term (chronic)	systemic	17.4	mg/m ³
	inhalative	Long term (chronic)	local	10	mg/m ³

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	propylene carbonate		108-32-7 203-572-1	
	water	fresh water	0.9	mg/L
	water	marine water	0.09	mg/L
	soil	-	0.81	mg/kg dry weight
	sewage treatment plant	-	7400	mg/L

8.2 Exposure controls**Appropriate engineering controls**

Ensure adequate ventilation, local exhaust at the work station if necessary.

Personal protective equipment**Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye / face protection

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Use tightly fitting safety glasses.

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Other

Normal chemical work clothing.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

State of aggregation	
liquid	
Colour	
colourless	
Odour	
slight	
pH value	
Value	7
Boiling point / boiling range	
Value	242 °C
Reference pressure	1013 hPa
Melting point/freezing point	
Value	-49 °C
Decomposition temperature	
No data available	
Flash point	
Value	135 °C
Method	Pensky-Martens closed cup
Ignition temperature	
No data available	
Auto-ignition temperature	
Value	430 °C
Flammability	
No data available	
Lower explosion limit	
Value	4.7 % vol
Upper explosion limit	
Value	21 % vol
Vapour pressure	
Value	0.0307 hPa
Reference temperature	20 °C
Relative vapour density	

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Value	3.5		
Evaporation rate			
Value	<	0.005	
Relative density			
Value	1.2		
Density			
Value	1.2	g/cm ³	
Reference temperature	25	°C	
Solubility in water			
Value	200	g/l	
Reference temperature	25	°C	
Solubility			
No data available			
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	propylene carbonate	108-32-7	203-572-1
log Pow		-0.41	
Reference temperature		20	°C
Source	ECHA		
Kinematic viscosity			
Value	2.5	mPa*s	
Reference temperature	25	°C	
Type	dynamic		
Value	1.6	mm ² /s	
Reference temperature	43.33	°C	
Type	kinematic		
Particle characteristics			
No data available			

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity**10.1 Reactivity**

No data available.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

None known

10.5 Incompatible materials

strong acids; Oxidizing agents

10.6 Hazardous decomposition productsIn case of fire the following can be released: Sulphurous oxides (SO_x); Traces of phenol**SECTION 11: Toxicological information**

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

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	propylene carbonate	108-32-7	203-572-1
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	propylene carbonate	108-32-7	203-572-1
LD50	>=	2000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		

Acute inhalational toxicity			
No data available			

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	propylene carbonate	108-32-7	203-572-1
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	propylene carbonate	108-32-7	203-572-1
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	Irritating to eyes		

Respiratory or skin sensitisation			
No data available			

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	propylene carbonate	108-32-7	203-572-1
Species	hepatocytes: Adult male F344 rats		
Method	OECD 482		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	propylene carbonate	108-32-7	203-572-1
Route of exposure	oral		
NOAEL		10100	mg/kg bw/d
Species	mouse		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	propylene carbonate	108-32-7	203-572-1
Route of exposure	dermal		

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Species	mouse
Method	OECD 451
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

STOT - single exposure
No data available

STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	propylene carbonate	108-32-7	203-572-1
Route of exposure	oral		
NOAEL	>	5000	mg/kg bw/d
Species	rat		
Method	OECD 408		
Source	ECHA		
Route of exposure	inhalational		
NOAEC	>	100	mg/m ³
Species	rat		
Method	OECD 413		
Source	ECHA		

Aspiration hazard
No data available

Endocrine disrupting properties
No data available

11.2 Information on other hazards

Other information

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	propylene carbonate	108-32-7	203-572-1
LC50	>	1000	mg/l
Duration of exposure		96	h
Species	Cyprinus carpio		
Method	EU C.1		
Source	ECHA		

Toxicity to fish (chronic)
No data available

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	propylene carbonate	108-32-7	203-572-1
EC50	>	1000	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)
No data available

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.

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1	propylene carbonate	108-32-7	203-572-1
EC50	>	900	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		

Toxicity to algae (chronic)			
No data available			

Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	propylene carbonate	108-32-7	203-572-1
EC50		25619	mg/l
Species	Pseudomonas putida		
Method	DIN 38412 T.8		
Source	ECHA		

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	propylene carbonate	108-32-7	203-572-1
Type	aerobic biodegradation		
Value		83.5	%
Duration		29	day(s)
Method	OECD 301 B		
Source	ECHA		
Evaluation	readily biodegradable		

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	propylene carbonate	108-32-7	203-572-1
log Pow		-0.41	
Reference temperature		20	°C
Source	ECHA		

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
Product Name	
WIDOPAN-STGM	
PBT assessment	The product is not considered to be a PBT.
vPvB assessment	The product is not considered to be a vPvB.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

12.8 Other information

Other information	
Do not discharge product unmonitored into the environment.	

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

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Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information**14.1 UN number or ID number**

Not classified as dangerous in the meaning of transport regulations.

14.2 UN proper shipping name

Not classified as dangerous in the meaning of transport regulations.

14.3 Transport hazard class(es)

Not classified as dangerous in the meaning of transport regulations.

14.4 Packing group

Not classified as dangerous in the meaning of transport regulations.

14.5 Environmental hazards

Not classified as dangerous in the meaning of transport regulations.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

In accordance with the REACH regulation (EC) 1907/2006, the product does not contain any substances that are considered as subject to listing in annex XIV, inventory of substances requiring authorisation.

REACH candidate list of substances of very high concern (SVHC) for authorisation

In accordance with article 57 and article 59 of the Reach regulation (EC) 1907/2006, this substance is not considered as subject to listing in annex XIV, inventory of substances requiring authorisation ("Authorization list").

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. No 3

The substance is considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	propylene carbonate	108-32-7	203-572-1	75

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This substance is not subject to Part 1 or 2 of Annex I

15.2 Chemical safety assessment

A chemical safety assessment has been carried out for this substance.

SECTION 16: Other information

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Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

List of existing exposition scenarios

ES001 General professional use

Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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