

Trade name: WIDOPAN-FD

Current version : 6.2.2, issued: 24.10.2023

Replaced version: 6.2.0, issued: 27.01.2022

Region: GB

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

1.1 Product identifier

Trade name

WIDOPAN-FD

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

Relevant identified uses of the substance or mixture

Liquid plastic sealing system, pigmented

Uses advised against

No data available.

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)

Aquatic Chronic 3; H412

Eye Irrit. 2; H319

Flam. Liq. 3; H226

Repr. 1B; H360

Skin Irrit. 2; H315

Skin Sens. 1; H317

STOT RE 1; H372

STOT SE 3; H335

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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, 4 and 5 of Annex I to CLP.

2.2 Label elements

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

Hazard pictograms



GHS02



GHS07



GHS08

Signal word

Danger

Hazardous component(s) to be indicated on label:

styrene

COBALT BIS(2-ETHYLHEXANOATE)

Hazard statement(s)

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H360	May damage fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

Hazard statements (EU)

EUH208	Contains octabenzene. May produce an allergic reaction.
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Precautionary statement(s)

P201	Obtain special instructions before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P501	Dispose of contents/container to a facility in accordance with local and national regulations.

Supplemental label elements

"Restricted to professional users"

2.3 Other hazards

This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

PBT assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.

vPvB assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

SECTION 3: Composition/information on ingredients

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3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures**Chemical characterization**

unsaturated polyester-elastomer in co-reactant diluent styrene, liquid

Hazardous ingredients

No	Substance name	Classification (EC) 1272/2008 (CLP)	Additional information Concentration	%
1	styrene			
	100-42-5 202-851-5 601-026-00-0 01-2119457861-32	Flam. Liq. 3; H226 Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Asp. Tox. 1; H304 STOT SE 3; H335 STOT RE 1; H372 Aquatic Chronic 3; H412 Repr. 2; H361d	>= 25.00 - < 50.00	wt%
2	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics			
	- 918-167-1 - 01-2119472146-39	Aquatic Chronic 4; H413 Asp. Tox. 1; H304 EUH066 Flam. Liq. 3; H226	< 5.00	wt%
3	COBALT BIS(2-ETHYLHEXANOATE)			
	136-52-7 205-250-6 - 01-2119524678-29	Aquatic Acute 1; H400 Aquatic Chronic 3; H412 Skin Sens. 1A; H317 Eye Irrit. 2; H319 Repr. 1B; H360	< 0.50	wt%
4	octabenzene			
	1843-05-6 217-421-2 - 01-2119557833-30	Skin Sens. 1B; H317	< 0.50	wt%
5	titanium dioxide; [not containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]			
	13463-67-7 236-675-5 - 01-2119489379-17	-	< 2.50	wt%

Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	D	-	-	-

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

No	Route, target organ, concrete effect
1	H372 inhalational; ear; -

Acute toxicity estimate (ATE) values			
No	oral	dermal	inhalative
1			11,8 mg/l

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In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. If the patient is likely to become unconscious, place and transport in stable sideways position. In case of allergic symptoms, especially respiratory tract related, seek medical help immediately.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration. Call a doctor immediately.

After skin contact

Wash off immediately with soap and water. Don't use solvents.

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). Seek medical assistance.

After ingestion

Do not induce vomiting. Call a doctor immediately. 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**

Alcohol-resistant foam; Extinguishing powder; Water spray jet; Carbon dioxide

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

Cool endangered containers with water spray jet. Use self-contained breathing apparatus. Suppress gases/vapours/mists with water spray jet. 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. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Keep away from ignition sources.

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). Send in suitable containers for recovery or disposal.

6.4 Reference to other sections

No data available.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Provide good ventilation at the work area (local exhaust ventilation, if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn. Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Do not inhale vapours. Wash hands before breaks and after work. Provide eye wash fountain in work area. Have emergency shower available.

Advice on protection against fire and explosion

Vapours can form an explosive mixture with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

Incompatible products

Do not store together with: oxidizing agents

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	styrene	100-42-5	202-851-5
List of approved workplace exposure limits (WELs) / EH40			
Styrene			
	WEL short-term (15 min reference period)	1080	mg/m ³ 250 ppm
	WEL long-term (8-hr TWA reference period)	430	mg/m ³ 100 ppm
2	titanium dioxide; [not containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	236-675-5
List of approved workplace exposure limits (WELs) / EH40			
Titanium dioxide total inhalable dust			
	WEL long-term (8-hr TWA reference period)	10	mg/m ³
List of approved workplace exposure limits (WELs) / EH40			
Titanium dioxide respirable dust			
	WEL long-term (8-hr TWA reference period)	4	mg/m ³
3	COBALT BIS(2-ETHYLHEXANOATE)	136-52-7	205-250-6
List of approved workplace exposure limits (WELs) / EH40			
Cobalt & cobalt compounds (as Co)			
	WEL long-term (8-hr TWA reference period)	0.1	mg/m ³
	Comments	Carc (cobalt dichloride and sulphate), Sen	

DNEL, DMEL and PNEC values

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DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	styrene			100-42-5 202-851-5	
	dermal	Long term (chronic)	systemic	406	mg/kg/day
	inhalative	Short term (acut)	systemic	289	mg/m ³
	inhalative	Long term (chronic)	systemic	85	mg/m ³
	inhalative	Short term (acut)	local	306	mg/m ³
2	COBALT BIS(2-ETHYLHEXANOATE)			136-52-7 205-250-6	
	inhalative	Long term (chronic)	local	235.1	µg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	styrene			100-42-5 202-851-5	
	oral	Long term (chronic)	systemic	2.1	mg/kg/day
	dermal	Long term (chronic)	systemic	343	mg/kg/day
	inhalative	Long term (chronic)	systemic	10.2	mg/m ³
	inhalative	Short term (acut)	systemic	174.25	mg/m ³
	inhalative	Short term (acut)	local	182.75	mg/m ³
2	COBALT BIS(2-ETHYLHEXANOATE)			136-52-7 205-250-6	
	oral	Long term (chronic)	systemic	175	µg/kg/day
	inhalative	Long term (chronic)	local	37	µg/m ³

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	styrene		100-42-5 202-851-5	
	water	fresh water	0.028	mg/L
	water	marine water	0.014	mg/L
	water	fresh water sediment	0.614	mg/kg dry weight
	water	marine water sediment	0.307	mg/kg dry weight
	water	Aqua intermittent	0.04	mg/L
	soil	-	0.2	mg/kg dry weight
	sewage treatment plant	-	5	mg/L
2	COBALT BIS(2-ETHYLHEXANOATE)		136-52-7 205-250-6	
	water	fresh water	1.06	µg/L
	water	marine water	2.36	µg/L
	water	fresh water sediment	53.8	mg/kg dry weight
	water	marine water sediment	69.8	mg/kg dry weight
	soil	-	10.9	mg/kg dry weight
	sewage treatment plant	-	0.37	mg/L

8.2 Exposure controls

Appropriate engineering controls

No data available.

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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

Safety glasses with side protection shield (EN 166)

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	
Form	
liquid	
Colour	
grey	
Odour	
typical; of styrene	
pH value	
No data available	
Boiling point / boiling range	
Value	145 - 146 °C
Reference pressure	1013 hPa
Melting point/freezing point	
No data available	
Decomposition temperature	
No data available	
Flash point	
Value	31 °C
Ignition temperature	
Value	490 °C
Flammability	
No data available	
Lower explosion limit	
No data available	
Upper explosion limit	

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No data available

Vapour pressure

Value	6.24	hPa
Reference temperature	20	°C

Relative vapour density

No data available

Relative density

No data available

Density

Value	1.02	g/cm ³
Reference temperature	20	°C

Solubility

No data available

Partition coefficient n-octanol/water (log value)

No	Substance name	CAS no.	EC no.
1	styrene	100-42-5	202-851-5
log Pow		2.96	
Reference temperature		25	°C
Source		ECHA	

Kinematic viscosity

Value	750 - 1150	mPa*s
Reference temperature	20	°C

Solvent separation test

Value	<	3	%
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Solvent content

Value	appr.	37	%
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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

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

Oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products known.

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SECTION 11: Toxicological information**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	styrene	100-42-5	202-851-5
LD50	>	5000	mg/kg bodyweight
Species	rat		
Source	CSR		
2	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	-	918-167-1
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
3	COBALT BIS(2-ETHYLHEXANOATE)	136-52-7	205-250-6
LD50	>	3129	mg/kg bodyweight
Species	rat		
Method	OECD 425		
Source	ECHA		

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	styrene	100-42-5	202-851-5
LD50	>	2000	mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		
2	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	-	918-167-1
LD50	>	2000	mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		
3	COBALT BIS(2-ETHYLHEXANOATE)	136-52-7	205-250-6
LD50	>	5690	mg/kg bodyweight
Species	guinea pig		
Method	OECD 402		
Source	ECHA		

Acute inhalational toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	WIDOPAN-FD
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE for inhalation: > 20.000 ppmV (gases), > 20 mg/l (vapours), > 5 mg/l (dusts/mists).

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	styrene	100-42-5	202-851-5
LC50		11.8	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Source	ECHA		

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.

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1	styrene	100-42-5	202-851-5
Species	rabbit		
Source	ECHA		
Evaluation	irritant		
2	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	-	918-167-1
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		
3	COBALT BIS(2-ETHYLHEXANOATE)	136-52-7	205-250-6
Method	OECD 439		
Source	ECHA		
Evaluation	non-irritant		

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	styrene	100-42-5	202-851-5
Species	rabbit		
Source	ECHA		
Evaluation	irritant		
2	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	-	918-167-1
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		
3	COBALT BIS(2-ETHYLHEXANOATE)	136-52-7	205-250-6
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	irritant		

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	styrene	100-42-5	202-851-5
Route of exposure	Skin		
Species	guinea pig		
Source	ECHA		
Evaluation	non-sensitizing		
2	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	-	918-167-1
Route of exposure	Skin		
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	non-sensitizing		
3	COBALT BIS(2-ETHYLHEXANOATE)	136-52-7	205-250-6
Route of exposure	Skin		
Species	mouse		
Method	OECD 429		
Source	ECHA		
Evaluation	sensitizing		

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	styrene	100-42-5	202-851-5
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	-	918-167-1
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	COBALT BIS(2-ETHYLHEXANOATE)	136-52-7	205-250-6

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Type of examination	Bacterial Reverse Mutation Test
Species	S. typhimurium TA 1535, TA 1537, TA 98 and TA 100
Method	OECD 471
Source	ECHA
Evaluation/classification	Based on the available data, the classification criteria are not met.

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	styrene	100-42-5	202-851-5
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are met.	
2	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	-	918-167-1
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	styrene	100-42-5	202-851-5
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	-	918-167-1
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

STOT - single exposure			
No	Substance name	CAS no.	EC no.
1	COBALT BIS(2-ETHYLHEXANOATE)	136-52-7	205-250-6
Route of exposure		oral	
NOAEL		3	mg/kg bw/d
Species		rat	
Target organ		blood	
Method		OECD 408	
Source		ECHA	
Evaluation/classification		Based on the available data, the classification criteria are not met.	

STOT - repeated exposure	
No data available	

Aspiration hazard	
No data available	

Delayed and immediate effects as well as chronic effects from short and long-term exposure	
Inhalation of vapours may lead to headache, drowsiness and dizziness. Inhalation of vapours in higher concentration may lead to irritation of eyes, nose and respiratory tract. Repeated and prolonged skin contact may cause removal of natural fat from the skin and irritation of the skin. Eye contact with the product may lead to irritation.	

11.2 Information on other hazards

Endocrine disrupting properties

No data available.

Other information

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	styrene	100-42-5	202-851-5
LC50		4.02	mg/l

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Duration of exposure		96	h
Species	Pimephales promelas		
Source	ECHA		
2	COBALT BIS(2-ETHYLHEXANOATE)	136-52-7	205-250-6
LC50		54.1	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Method	ASTM E729-96		
Source	ECHA		

Toxicity to fish (chronic)			
No	Substance name	CAS no.	EC no.
1	COBALT BIS(2-ETHYLHEXANOATE)	136-52-7	205-250-6
NOEC		0.21	mg/l
Duration of exposure		34	day(s)
Species	Pimephales promelas		
Method	ASTM (2002)		
Source	ECHA		

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	styrene	100-42-5	202-851-5
EC50		4.7	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
2	COBALT BIS(2-ETHYLHEXANOATE)	136-52-7	205-250-6
EC50		0.61	mg/l
Duration of exposure		48	h
Species	Ceriodaphnia dubia		
Method	ASTM (2002)		
Source	ECHA		

Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	styrene	100-42-5	202-851-5
NOEC		1.01	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		
2	COBALT BIS(2-ETHYLHEXANOATE)	136-52-7	205-250-6
NOEC		0.1697	mg/l
Duration of exposure		14	day(s)
Species	Aquatic oligochaeta		
Source	ECHA		

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	styrene	100-42-5	202-851-5
EC50		4.9	mg/l
Duration of exposure		72	h
Species	Selenastrum capricornutum		
Method	EPA OTS 797.1050		
Source	ECHA		
2	COBALT BIS(2-ETHYLHEXANOATE)	136-52-7	205-250-6
EC50		0.144	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		

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Method	OECD 201
Source	ECHA

Toxicity to algae (chronic)			
No	Substance name	CAS no.	EC no.
1	styrene	100-42-5	202-851-5
EC10		0.28	mg/l
Duration of exposure		96	day(s)
Species	Selenastrum capricornutum		
Method	EPA OTS 797.1050		
Source	ECHA		

Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	styrene	100-42-5	202-851-5
EC50		appr. 500	mg/l
Species	activated sludge		
Method	OECD 209		
Source	ECHA		
2	COBALT BIS(2-ETHYLHEXANOATE)	136-52-7	205-250-6
EC50		120	mg/l
Duration of exposure		30	min
Species	activated sludge		
Method	OECD 209		
Source	ECHA		

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	styrene	100-42-5	202-851-5
Type	ThOD		
Value		70.9	%
Duration		28	d
Method	ISO DIS 9408		
Source	ECHA		
Evaluation	readily biodegradable		
2	COBALT BIS(2-ETHYLHEXANOATE)	136-52-7	205-250-6
Value		60	%
Duration		10	day(s)
Method	OECD 301 B		
Source	ECHA		
Evaluation	readily biodegradable		

Abiotic Degradation			
No	Substance name	CAS no.	EC no.
1	styrene	100-42-5	202-851-5
Type	Photolysis		
Half-life		7.4	h
Source	ECHA		

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	styrene	100-42-5	202-851-5
log Pow		2.96	
Reference temperature		25	°C
Source	ECHA		

12.4 Mobility in soil

Mobility in soil			
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No	Substance name	CAS no.	EC no.
1	styrene	100-42-5	202-851-5
log K _{oc}		2.55	
Reference temperature		20	°C
Method		QSAR	
Source		ECHA	

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.
vPvB assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be 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****Product**

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 Transport ADR/RID/ADN**

Class	3
Classification code	F1
Packing group	III
Hazard identification no.	30
UN number	UN1993
Proper shipping name	FLAMMABLE LIQUID, N.O.S.
Technical name	styrene Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
Tunnel restriction code	D/E
Label	3
Comments	Containers with a capacity <= 450 ltrs are not subject to ADR-regulations (refer to 2.2.3.1.5.)

14.2 Transport IMDG

Class	3
Packing group	III
UN number	UN1993
Proper shipping name	FLAMMABLE LIQUID, N.O.S.
Technical name	styrene Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
EmS	F-E, S-E

Trade name: WIDOPAN-FD**Current version :** 6.2.2, issued: 24.10.2023**Replaced version:** 6.2.0, issued: 27.01.2022**Region:** GB

Label 3
 Comments Containers with a capacity <= 450 ltrs are not subjected to IMDG regulations, chapter 4.1, 5.2 and 6.1 (see IMDG-Code 2.3.2.5)

14.3 Transport ICAO-TI / IATA

Class 3
 Packing group III
 UN number UN1993
 Proper shipping name Flammable liquid, n.o.s.
 Technical name styrene
 Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
 Label 3

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

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)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

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

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

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, 40
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The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	styrene	100-42-5	202-851-5	75
2	titanium dioxide; [not containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	236-675-5	75
3	toluene	108-88-3	203-625-9	75
4	triiron-tetraoxide	1317-61-9	215-277-5	75
5	xylene	1330-20-7	215-535-7	75
6	xylene	1330-20-7	215-535-7	75

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

This product is subject to Part I of Annex I, risk category:	P5c
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15.2 Chemical safety assessment

A Chemical Safety Assessment has been carried out for one or more of the substances within this mixture.

SECTION 16: Other information

Trade name: WIDOPAN-FD

Current version : 6.2.2, issued: 24.10.2023

Replaced version: 6.2.0, issued: 27.01.2022

Region: GB

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.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

EUH066	Repeated exposure may cause skin dryness or cracking.
H304	May be fatal if swallowed and enters airways.
H332	Harmful if inhaled.
H361d	Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H413	May cause long lasting harmful effects to aquatic life.

Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

D	Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words 'non-stabilised'.
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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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