

Trade name: WIDOPAN-FD 2K

Current version : 1.1.0, issued: 25.10.2023

Replaced version: 1.0.0, issued: 20.10.2023

Region: GB

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

1.1 Product identifier

Trade name

WIDOPAN-FD 2K

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

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

Classification information

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



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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.

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.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P370+P378	In case of fire: Use sand, fire powder, carbon dioxide or foam to extinguish.

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**3.1 Substances**

Not applicable. The product is not a substance.

3.2 Mixtures**Hazardous ingredients**

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	styrene			

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	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%

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

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician. In case of allergic symptoms, especially respiratory tract related, seek medical help immediately.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air.

After skin contact

In case of contact with skin wash off immediately with copious amounts of water.

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).

After ingestion

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Rinse the mouth thoroughly with water. Do not induce vomiting. 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 monoxide (CO); Carbon dioxide (CO₂)

5.3 Advice for firefighters

Cool endangered containers with water spray jet. Use self-contained breathing apparatus. Wear protective clothing. Suppress gases/vapours/mists with water spray jet.

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.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

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. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing.

Advice on protection against fire and explosion

Keep away from ignition sources and provide for good ventilation.

7.2 Conditions for safe storage, including any incompatibilities

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Technical measures and storage conditions

Keep container tightly closed and dry 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. 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	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**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

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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**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

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

Chemical-resistant work clothes.

Environmental exposure controls

No data available.

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

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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			
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
Source	manufacturer		
Solubility in water			
Comments	insoluble in water		
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		

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Kinematic viscosity			
Value	appr.	950	mPa*s
Reference temperature		20	°C
Type	dynamic		
Source	manufacturer		
Value		931	mm ² /s
Type	kinematic		

Solvent separation test			
Value	<	3	%

Solvent content			
Value	appr.	37	%
Value			%

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

strong oxidizing agents; strong bases; strong acids

10.6 Hazardous decomposition products

None if stored, handled and transported properly. In case of fire: see section 5.

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		

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Source	ECHA
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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 2K
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.
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		

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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
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.		

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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			

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
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		

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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		
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		

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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			
No	Substance name	CAS no.	EC no.
1	styrene	100-42-5	202-851-5
log Koc		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. 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.
vPvB assessment	

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 into drains or waters and do not dispose of in public landfills.

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Replaced version: 1.0.0, issued: 20.10.2023

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

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 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
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

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Replaced version: 1.0.0, issued: 20.10.2023

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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

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

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.
 Employment restrictions, according to the regulations for protection of expectant and nursing mothers and the youth health and safety regulations, serving to protect against hazardous materials, should be observed.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information**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.

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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'.

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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Prod-ID 797463