Trade name: einzA Zinkofan, RAL 8011 nußbraun Product no.: 7870221 Replaced version: 2.2.0, issued: 28.04.2020

Current version : 2.2.1, issued: 19.05.2020

Region: GB

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

1.1 **Product identifier**

Trade name

einzA Zinkofan, RAL 8011 nußbraun

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

Relevant identified uses of the substance or mixture decorative paints/finishes

Uses advised against No data available.

1.3 Details of the supplier of the safety data sheet

Address

einzA Farben GmbH & Co KG Junkersstraße 13 30179 Hannover

Telephone no.	+49 (0)511 67490-0
Fax no.	+49 (0)511 67490-20
e-mail	info@einzA.com

Advice on Safety Data Sheet sdb info@umco.de

Emergency telephone number 1.4

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 2; H411 Flam. Liq. 3; H226 Skin Sens. 1A; H317 STOT SE 3; H335 STOT SE 3: H336

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



Signal word Warning

Hazardous component(s) to be indicated on label:

Hydrocarbons, C9, aromatics

2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate



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Hazard statement(s) Flammable liquid and vapour. H226 H317 May cause an allergic skin reaction. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects. Hazard statements (EU) EUH066 Repeated exposure may cause skin dryness or cracking. EUH208 Contains reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700), Reaction Produkt: Bisphenol-F-(epichlorhydrin) epoxy resin. May produce an allergic reaction. Precautionary statement(s) P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves/eye protection. P370+P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish. P391 Collect spillage. P405 Store locked up. P501 Dispose of contents/container to a facility in accordance with local and national regulations.

2.3 Other hazards

PBT assessment

The components of this product are not considered to be a PBT.

vPvB assessment

The components of this product are not considered to be a 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		Addit	ional information	
	CAS / EC / Index /	Classification (EC) 1272/2008 (CLP)	Conce	entration	%
	REACH no				
1	Hydrocarbons, C9,	aromatics			
	64742-95-6	Flam. Liq. 3; H226	>=	25.00 - < 50.00	%-b.w.
	918-668-5	STOT SE 3; H335			
	-	STOT SE 3; H336			
	01-2119455851-35	- ,			
		Asp. Tox. 1; H304			
		EUH066			
2	2-methoxy-1-methy	/lethyl acetate			
	108-65-6	Flam. Liq. 3; H226	<	5.00	%-b.w.
	203-603-9	STOT SE 3; H336			
	607-195-00-7				
	01-2119475791-29				
3	1-methoxy-2-propa	nol			
	107-98-2	Flam. Liq. 3; H226	<	5.00	%-b.w.
	203-539-1	STOT SE 3; H336			
	603-064-00-3				
	01-2119457435-35				
4	trizinc bis(orthoph	osphate)			



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	7779-90-0	Aquatic Acute 1; H400	<	2.50	%-b.w.
	231-944-3	Aquatic Chronic 1; H410			
	030-011-00-6				
	01-2119485044-40				
5	reaction product: I	bisphenol-A-(epichlorhydrin) epoxy resin			
	(number average n	nolecular weight ≤ 700)			
	25068-38-6	Aquatic Chronic 2; H411	>=	0.10 - < 1.0) %-b.w.
	500-033-5	Eye Irrit. 2; H319			
	603-074-00-8	Skin Irrit. 2; H315			
	01-2119456619-26	Skin Sens. 1; H317			
6	2-ethylhexyl 10-eth	yl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-			
	stannatetradecano	ate			
	stannatetradecano 57583-35-4	ate Acute Tox. 4; H302	<	0.50	%-b.w.
			<	0.50	%-b.w.
	57583-35-4	Acute Tox. 4; H302	<	0.50	%-b.w.
	57583-35-4 260-829-0	Acute Tox. 4; H302 Acute Tox. 4; H312	<	0.50	%-b.w.
	57583-35-4 260-829-0 050-028-00-2	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Sens. 1A; H317	<	0.50	%-b.w.
	57583-35-4 260-829-0 050-028-00-2	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Sens. 1A; H317 Repr. 2; H361d	<	0.50	%-b.w.
7	57583-35-4 260-829-0 050-028-00-2 01-2119492591-32	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Sens. 1A; H317 Repr. 2; H361d STOT RE 1; H372	<	0.50	%-b.w.
7	57583-35-4 260-829-0 050-028-00-2 01-2119492591-32	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Sens. 1A; H317 Repr. 2; H361d STOT RE 1; H372 Aquatic Chronic 3; H412	<	0.50	%-b.w.
7	57583-35-4 260-829-0 050-028-00-2 01-2119492591-32 Reaction Produkt:	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Sens. 1A; H317 Repr. 2; H361d STOT RE 1; H372 Aquatic Chronic 3; H412 Bisphenol-F-(epichlorhydrin) epoxy resin			
7	57583-35-4 260-829-0 050-028-00-2 01-2119492591-32 Reaction Produkt:	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Sens. 1A; H317 Repr. 2; H361d STOT RE 1; H372 Aquatic Chronic 3; H412 Bisphenol-F-(epichlorhydrin) epoxy resin Aquatic Chronic 2; H411			

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

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)		
5	-	Eye Irrit. 2; H319: C >= 5% Skin Irrit. 2; H315: C >= 5%	-	-		
No	No Route, target organ, concrete effect					

6

H372

-; nervous system; -

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.

After inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

After skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

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5.1 Extinguishing media

Suitable extinguishing media

Alcohol resistant foam, CO2, powders, water spray

Unsuitable extinguishing media

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); Toxic pyrolysis products; Exposure to decomposition products may cause a health hazard.

5.3 Advice for firefighters

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses. Appropriate breathing apparatus may be required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Exclude sources of ignition and ventilate the area. Avoid breathing vapours. 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

Is not allowed to be released into the sewerage or water courses. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent - avoid use of solvents.

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Avoid the inhalation of dust, particulates and spray mist arising from the application of this mixture. Dry sanding, flame cutting and/or welding of the dry paint film may give rise to dust and/or hazardous fumes. Wet [sanding]/[flatting] should be used wherever possible. Avoid inhalation of dust from sanding. For personal protection see section 8.

General protective and hygiene measures

Avoid skin and eye contact. Do not eat or drink during work - no smoking. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

Advice on protection against fire and explosion

Isolate from sources of heat, sparks and open flame. No sparking tools should be used. Electrical equipment should be protected to the appropriate standard. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Comply with legal health and safety regulations; Prevent unauthorised access. Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight. Keep away from sources of ignition. No smoking.

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Requirements for storage rooms and vessels

Always keep in containers of same material as the original one. Never use pressure to empty: container is not a pressure vessel. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed. Observe label precautions.

Incompatible products

Store away from oxidising agents, from strongly alkaline and strongly acid materials.

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	2-methoxy-1-methylethyl acetate	108-65-6		203-603-9	
	List of approved workplace exposure limits (WELs) /	EH40			
	1-Methoxypropylacetate				
	WEL short-term (15 min reference period)	548	mg/m³	100	ppm
	WEL long-term (8-hr TWA reference period)	274	mg/m³	50	ppm
	Comments	Sk			
	2000/39/EC				
	2-Methoxy-1-methylethylacetate				
	WEL short-term (15 min reference period)	550	mg/m³	100	ppm
	WEL long-term (8-hr TWA reference period)	275	mg/m³	50	ppm
	Skin resorption / sensibilisation	Skin			
2	1-methoxy-2-propanol	107-98-2		203-539-1	
	2000/39/EC				
	1-Methoxypropanol-2				
	WEL short-term (15 min reference period)	568	mg/m³	150	ppm
	WEL long-term (8-hr TWA reference period)	375	mg/m³	100	ppm
	Skin resorption / sensibilisation	Skin			
	List of approved workplace exposure limits (WELs) /	EH40			
	1-Methoxypropan-2-ol				
	WEL short-term (15 min reference period)	560	mg/m³	150	ppm
	WEL long-term (8-hr TWA reference period)	375	mg/m³	100	ppm
	Comments	Sk			
3	2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-	57583-35-4		260-829-0	
	dithia-4-stannatetradecanoate				
	List of approved workplace exposure limits (WELs) /	EH40			
	Tin compounds, organic, except cyhexatin (ISO),				
	Sn	-			
	WEL short-term (15 min reference period)	0.2	mg/m³		
	WEL long-term (8-hr TWA reference period)	0.1	mg/m³		

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure Exposure time Effect			Value	
1	Hydrocarbons, C9, aromatics			64742-95-6	
				918-668-5	
	dermal	Long term (chronic)	systemic	25	mg/kg/day
	inhalative	Long term (chronic)	systemic	150	mg/m³
2	2-methoxy-1-methylethyl	acetate	-	108-65-6	
				203-603-9	
	dermal	Long term (chronic)	systemic	796	mg/kg/day
	inhalative	Long term (chronic)	systemic	275	mg/m³



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	to be a beat to a		11	550	
	inhalative	Short term (acut)	local	550	mg/m³
3	1-methoxy-2-propanol			107-98-2	
				203-539-1	
	dermal	Long term (chronic)	systemic	50.6	mg/kg/day
	inhalative	Long term (chronic)	systemic	369	mg/m³
	inhalative	Short term (acut)	local	553.5	mg/m³
4	trizinc bis(orthophosphate)			7779-90-0	
				231-944-3	
	dermal	Long term (chronic)	systemic	83	mg/kg/day
	inhalative	Long term (chronic)	systemic	5	mg/m³
5	2-ethylhexyl 10-ethyl-4,4	-dimethyl-7-oxo-8-oxa-3	,5-dithia-4-	57583-35-4	
	stannatetradecanoate			260-829-0	
	dermal	Long term (chronic)	systemic	0.50	mg/kg/day
	inhalative	Long term (chronic)	systemic	0.01	mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC n	0
	Route of exposure	Exposure time	Effect	Value	
1	Hydrocarbons, C9, arom	atics		64742-95-6	
				918-668-5	
	oral	Long term (chronic)	systemic	11	mg/kg/day
	dermal	Long term (chronic)	systemic	11	mg/kg/day
	inhalative	Long term (chronic)	systemic	32	mg/m³
2	2-methoxy-1-methylethy	l acetate		108-65-6	
				203-603-9	
	oral	Long term (chronic)	systemic	36	mg/kg/day
	oral	Short term (acut)	systemic	500	mg/kg/day
	dermal	Long term (chronic)	systemic	320	mg/kg/day
	inhalative	Long term (chronic)	systemic	33	mg/m³
	inhalative	Long term (chronic)	local	33	mg/m³
3	1-methoxy-2-propanol			107-98-2	
				203-539-1	
	oral	Long term (chronic)	systemic	3.3	mg/kg/day
	dermal	Long term (chronic)	systemic	18.1	mg/kg/day
	inhalative	Long term (chronic)	systemic	43.9	mg/m³
4	trizinc bis(orthophospha	ite)		7779-90-0	
				231-944-3	
	oral	Long term (chronic)	systemic	0.83	mg/kg/day
	dermal	Long term (chronic)	systemic	83	mg/kg/day
	inhalative	Long term (chronic)	systemic	2.5	mg/m³
5	2-ethylhexyl 10-ethyl-4,4	-dimethyl-7-oxo-8-oxa-3,	5-dithia-4-	57583-35-4	
	stannatetradecanoate			260-829-0	
	oral	Long term (chronic)	systemic	0.25	µg/kg/day
	oral	Short term (acut)	systemic	1.50	µg/kg/day

PNEC values

No	Substance name		CAS / EC no)
	ecological compartment	Туре	Value	
1	2-methoxy-1-methylethyl acetate		108-65-6	
			203-603-9	
	water	fresh water	0.635	mg/L
	water	marine water	0.064	mg/L
	water	fresh water sediment	3.29	mg/kg
	with reference to: dry weight			
	water	marine water sediment	0.329	mg/kg
	with reference to: dry weight			
	soil	-	0.29	mg/kg
	with reference to: dry weight			
	sewage treatment plant	-	100	mg/L
2	1-methoxy-2-propanol		107-98-2	
			203-539-1	



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	water	fresh water	10	mg/L
	water	marine water	1	mg/L
	water	Aqua intermittent	100	mg/L
	water	fresh water sediment	52.3	mg/kg
	with reference to: dry weight			
	water	marine water sediment	5.2	mg/kg
	with reference to: dry weight			
	soil	-	5.49	mg/kg
	with reference to: dry weight			
	sewage treatment plant	-	100	mg/L
3	trizinc bis(orthophosphate)	· · ·	7779-90-0	-
			231-944-3	
	water	fresh water	20.6	µg/L
	water	marine water	6.1	µg/L
	water	fresh water sediment	117.8	mg/kg dry
				weight
	water	marine water sediment	56.5	mg/kg dry
				weight
	soil	-	35.6	mg/kg
	sewage treatment plant	-	100	µg/L
	2-ethylhexyl 10-ethyl-4,4-dimethy	/I-7-oxo-8-oxa-3,5-dithia-4-	57583-35-4	
	stannatetradecanoate		260-829-0	
	water	fresh water	0.00914	mg/L
	water	marine water	0.000914	mg/L
	water	Aqua intermittent	0.32	mg/L
	water	fresh water sediment	140.00	mg/kg
	with reference to: dry weight			
	water	marine water sediment	14.00	mg/kg
	with reference to: dry weight			
	soil	-	28.00	mg/kg
	with reference to: dry weight			
	sewage treatment plant	-	100.00	mg/L
	with reference to: dry weight		.L	~
	secondary poisoning	-	0.138	mg/kg
	with reference to: dry weight		I	0 0

8.2 Exposure controls

Appropriate engineering controls

Provide good 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, suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. In case of brush application: Filter A2. When applied by spraying: Filter A2P2. (DIN EN 14387)

Eye / face protection

Wear safety googles to protect against splashes. 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.

Appropriate Material In case of short-term contact / splash protection: nitrile rubber

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Other

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Material thickness	>	0.4	mm	
Breakthrough time	>	120	min	
Appropriate Material	In case of p	prolonged exposure: r		
Material thickness	>	0.4	mm	

480 Breakthrough time > min

Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.

Environmental exposure controls

Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form/Colour			
liquid			
according to product name			
Odour			
of solvents			
Odour threshold			
No data available			
pH value			
No data available			
Boiling point / boiling range			
Value	>	120	°C
Reference substance	solvent mixture		
Melting point / melting range			
No data available			
Decomposition point / decomposition range			
No data available			
Flash point			
Value	46 -	48	°C
Method	closed cup		
Ignition temperature			
Value	>	200	°C
Reference substance	solvent mixture		
Auto-ignition temperature			
No data available			
Oxidising properties			
Not applicable			
Explosive properties			
No data available			
Flammability (solid, gas)			
Not applicable			
Lower flammability or explosive limits			
Value	>	0.6	% vol
Reference substance	solvent mixture	0.0	
Upper flammability or explosive limits			
Value	<	7.5	% vol
Reference substance	solvent mixture		
Vapour pressure			





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Valu	-	<	100	hPa		
	erence temperature		50	°C		
Refe	erence substance	solvent mixture	;			
Vap	our density					
No	data available					
Eva	poration rate					
No	lata available					
Rela	ative density					
	data available					
Den	sitv					
Valu	e	1.20	- 1.32	g/cm ³		
	erence temperature		20	°C		
Met	hod	DIN 51757				
Solu	ubility in water					
	nments	immiscible				
Soli	ubility(ies)					
	data available					
Par	tition coefficient: n-octanol/water					
No	Substance name	(CAS no.		EC no.	
No 1	Substance name 2-methoxy-1-methylethyl acetate		CAS no. 108-65-6		EC no. 203-603-9	
1 log l	2-methoxy-1-methylethyl acetate			1.2	203-603-9	
1 log l Refe	2-methoxy-1-methylethyl acetate Pow erence temperature	1		1.2 20		
1 log l Refe Met	2-methoxy-1-methylethyl acetate Pow erence temperature hod	1 OECD 117			203-603-9	
1 log I Refe Met Sou	2-methoxy-1-methylethyl acetate Pow erence temperature hod rce	OECD 117 ECHA	108-65-6		203-603-9 °C	
1 log l Refe Met	2-methoxy-1-methylethyl acetate Pow erence temperature hod	OECD 117 ECHA			203-603-9	
1 log l Refe Met Sou 2 log l	2-methoxy-1-methylethyl acetate Pow erence temperature hod rce 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo dithia-4-stannatetradecanoate	1 OECD 117 ECHA o-8-oxa-3,5-	108-65-6		203-603-9 °C	
1 log I Refe Met Sou 2 log I Met	2-methoxy-1-methylethyl acetate Pow erence temperature hod rce 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo dithia-4-stannatetradecanoate Pow hod	1 OECD 117 ECHA 0-8-0xa-3,5- 5 OECD 117	108-65-6	20	203-603-9 °C	
1 log l Refe Met Sou 2 log l	2-methoxy-1-methylethyl acetate Pow erence temperature hod rce 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo dithia-4-stannatetradecanoate Pow hod	1 OECD 117 ECHA o-8-oxa-3,5-	108-65-6	20	203-603-9 °C	
1 log I Refe Met Sou 2 log I Met Sou	2-methoxy-1-methylethyl acetate Pow erence temperature hod rce 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo dithia-4-stannatetradecanoate Pow hod	1 OECD 117 ECHA 0-8-0xa-3,5- 5 OECD 117	108-65-6	20	203-603-9 °C	
1 log I Refe Met Sou 2 log I Met Sou Visc	2-methoxy-1-methylethyl acetate Pow erence temperature hod rce 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxe dithia-4-stannatetradecanoate Pow hod rce cosity e	1 OECD 117 ECHA 0-8-0xa-3,5- 5 OECD 117	- 9500	20 8.5 Pa*s	203-603-9 °C	
1 log I Refe Met Sou Iog I Met Sou Valu Refe	2-methoxy-1-methylethyl acetate Pow erence temperature hod rce 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-ox dithia-4-stannatetradecanoate Pow hod rce cosity e erence temperature	0ECD 117 ECHA 0-8-0xa-3,5- 5 OECD 117 ECHA 8000	108-65-6 57583-35-4	20 8.5	203-603-9 °C	
1 log I Refe Met Sou 2 log I Met Sou Visc	2-methoxy-1-methylethyl acetate Pow erence temperature hod rce 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-ox dithia-4-stannatetradecanoate Pow hod rce cosity e erence temperature	1 OECD 117 ECHA 0-8-0xa-3,5- OECD 117 ECHA	- 9500	20 8.5 Pa*s	203-603-9 °C	
1 Refe Met Sou 2 Iog I Met Sou Valu Refe Met	2-methoxy-1-methylethyl acetate Pow erence temperature hod rce 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxe dithia-4-stannatetradecanoate Pow hod rce cosity e erence temperature hod vent separation test	0ECD 117 ECHA 0-8-0xa-3,5- 5 OECD 117 ECHA 8000	108-65-6 57583-35-4 - 9500 20	20 8.5 Pa*s °C	203-603-9 °C	
1 log I Refe Met Sou 2 log I Met Sou Valu Refe Met	2-methoxy-1-methylethyl acetate Pow erence temperature hod rce 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxe dithia-4-stannatetradecanoate Pow hod rce cosity e erence temperature hod vent separation test le	0ECD 117 ECHA 0-8-0xa-3,5- 5 OECD 117 ECHA 8000	108-65-6 57583-35-4 - 9500 20 3	20 8.5 Pa*s °C	203-603-9 °C	
1 log I Refe Met Sou 2 log I Met Sou Valu Refe Met	2-methoxy-1-methylethyl acetate Pow erence temperature hod rce 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxe dithia-4-stannatetradecanoate Pow hod rce cosity e erence temperature hod vent separation test	1 OECD 117 ECHA 0-8-0xa-3,5- ECHA 0ECD 117 ECHA 8000 DIN 53019	108-65-6 57583-35-4 - 9500 20	20 8.5 Pa*s °C	203-603-9 °C	

9

Other information No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

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

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

Trade name: einzA Zinkofan, RAL 8011 nußbraun

Product no.: 7870221 Current version : 2.2.1, issued: 19.05.2020

Replaced version: 2.2.0, issued: 28.04.2020

Region: GB

einz

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

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 toxicological effects

D50 > 3492 mg/kg bodyweigh pecies rat 2-methoxy-1-methylethyl acetate 108-65-6 203-603-9 D50 > 5000 mg/kg bodyweigh pecies rat 203-539-1 D50 ECHA 107-98-2 203-539-1 D50 atd16 mg/kg bodyweigh pecies rat 4016 mg/kg bodyweigh pecies rat 4016 mg/kg bodyweigh pecies rat 203-539-1 0 D50 7779-90-0 231-944-3 0 pecies rat C440/2008, B.1 0 0 ource ECHA 0 231-944-3 0 D50 > 5000 mg/kg bodyweigh pecies rat 0 0 0 Idthia-4-stannatetradecanoate D 0 0 0 D50 rat 0 0 0 0 ibethod 0	Acut	te oral toxicity				
D50 > 3492 mg/kg bodyweigh rat pecies rat 203-603-9 D50 > 5000 mg/kg bodyweigh pecies rat 203-603-9 D50 > 5000 mg/kg bodyweigh pecies rat 203-539-1 D50 4016 mg/kg bodyweigh pecies rat 4016 mg/kg bodyweigh pecies rat 4016 mg/kg bodyweigh pecies rat 203-539-1 mg/kg bodyweigh lethod EC 440/2008, B.1 ECHA ECHA biource ECHA ECHA ECHA 1trizinc bis(orthophosphate) 7779-90-0 231-944-3 D50 > 5000 mg/kg bodyweigh pecies rat 0 0 tethod OECD 401 ECHA 260-829-0 Othita-4-stannatetradecanoate 0 0 ECHA D50 rat 1150 mg/kg bodyweigh pecies rat 0 0 0 D50 cath 1150 mg/kg bodyweigh pecies rat 0 0 0 10 Substance name CAS no.	No	Substance name				
pecies rat iource ECHA 2-methoxy-1-methylethyl acetate 108-65-6 203-603-9 D50 > 5000 mg/kg bodyweigh pecies rat	1	Hydrocarbons, C9, aromatics		64742-95-6		918-668-5
Dource ECHA 2-methoxy-1-methylethyl acetate 108-65-6 203-603-9 D50 > 5000 mg/kg bodyweigh ipecies rat 203-539-1 1 1-methoxy-2-propanol 107-98-2 203-539-1 1 D50 rat 4016 mg/kg bodyweigh pecies rat 1 1 1 1 D50 rat 203-539-1 1 1 D50 rat 60401 1	LD5	0	>		3492	mg/kg bodyweight
2-methoxy-1-methylethyl acetate 108-65-6 203-603-9 D50 > 5000 mg/kg bodyweigh pecies iource ECHA 203-539-1 D50 at a 4016 mg/kg bodyweigh pecies ipecies rat 4016 mg/kg bodyweigh mg/kg bodyweigh ipecies rat 4016 mg/kg bodyweigh ipecies rat EC 440/2008, B.1 000000000000000000000000000000000000			rat			
D50 > 5000 mg/kg bodyweigh pecies rat mg/kg bodyweigh 1-methoxy-2-propanol 107-98-2 203-539-1 D50 4016 mg/kg bodyweigh pecies rat EC 440/2008, B.1 tethod EC 440/2008, B.1 EC 440/2008, B.1 tource ECHA EC 440/2008, B.1 trizinc bis(orthophosphate) 7779-90-0 231-944-3 D50 > 5000 mg/kg bodyweigh pecies rat ECHA EC 440/2008, B.1 tource ECHA 231-944-3 EC 440/2008, B.1 tource ECHA EC 440 EC 440/2008, B.1 tource ECHA EC 440 EC 440 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5- 57583-35-4 260-829-0 dithia-4-stannatetradecanoate 1150 mg/kg bodyweigh pecies rat 0ECD 401 EC HA cute dermal toxicity EC HA EC no. tethod OE CD 402 OE CD 402 OE CD 402	Sour	rce	ECHA			
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iource ECHA 11-methoxy-2-propanol 107-98-2 203-539-1 D50 rat 6016 mg/kg bodyweigh pecies rat EC 440/2008, B.1 EC 440/2008, B.1 cource ECHA 7779-90-0 231-944-3 D50 > 5000 mg/kg bodyweigh pecies rat 0ECD 401 0ECD 401 cource ECHA 0ECD 401 0ECD 401 pecies rat 0ECD 401 0ECD 401 cource ECHA 0ECD 401 0ECD 401 cource ECHA 0ECD 402 0ECD 402 cource ECHA 0ECD 402 0ECD 402 cource ECHA 203-603-9 000 050 > 5000 mg/kg bodyweigh iource ECHA 203-603-9 000 <	LD50		>		5000	mg/kg bodyweight
1-methoxy-2-propanol 107-98-2 203-539-1 D50 rat 4016 mg/kg bodyweigh pecies rat EC 440/2008, B.1 mg/kg bodyweigh istrict bis(orthophosphate) 7779-90-0 231-944-3 D50 > 5000 mg/kg bodyweigh istrict bis(orthophosphate) 7779-90-0 231-944-3 D50 > 5000 mg/kg bodyweigh pecies rat 0ECD 401 0ECD 401 istrict bis(orthophosphate) CECHA 2ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5- 57583-35-4 260-829-0 dithia-4-stannatetradecanoate 0ECD 401 0ECD 401 0ECD 401 isource ECHA 0ECD 402 0ECD 402 isource ECHA 0ECD 402 0ECD 402 isource ECHA 0ECD 402 0ECD 402 isource <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
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Acute dermal toxicity CAS no. EC no. Io Substance name CAS no. EC no. Hydrocarbons, C9, aromatics 64742-95-6 918-668-5 D50 > 3160 mg/kg bodyweight Species rabbit OECD 402 Source ECHA 2-methoxy-1-methylethyl acetate 108-65-6 203-603-9 Source D50 > 5000 mg/kg bodyweight Species rat OECD 402 Source Source D50 > 5000 mg/kg bodyweight Species rat OECD 402 Source Source D50 > 5000 mg/kg bodyweight Species rat OECD 402 Source Source 1-methoxy-2-propanol 107-98-2 203-539-1 Source D50 > 2000 mg/kg bodyweight Species rat 440/2008/EC B.3. Source						
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D50 > 3160 mg/kg bodyweigh indethod OECD 402 OECD 402 isource ECHA 108-65-6 203-603-9 2-methoxy-1-methylethyl acetate 108-65-6 203-603-9 D50 > 5000 mg/kg bodyweigh ippecies rat OECD 402 ippecies rat OECD 402 ippecies ECHA OECD 402 ippecies rat OECD 402 ippecies Fight and the second seco				CAS no.		EC no.
D50 > 3160 mg/kg bodyweight indethod OECD 402 iource ECHA 2-methoxy-1-methylethyl acetate 108-65-6 203-603-9 D50 > 5000 mg/kg bodyweight ipecies rat 0ECD 402 ipecies CECD 402 ipecies Interthoxy-2-propanol Interthoxy-2-propanol 107-98-2 D50 > 2000 ipecies rat Interthoxy-2-propanol Interthoxy-2 D50 > 2000 ipecies rat Interthoxy-2-propanol interthoxy-2 Interthoxy-2 interthoxy-2 Interthoxy-2 interthoxy-2 Interthoxy-2 interthoxy-2 Interthoxy-2 interthoxy-2 Interthoxy-3 interthoxy-3 Interthoxy-3 inte	1	Hydrocarbons, C9, aromatics		64742-95-6		918-668-5
rabbit Method Jource ECHA 2-methoxy-1-methylethyl acetate 108-65-6 203-603-9 D50 > 5000 mg/kg bodyweight rat Method OECD 402 ECHA 1-methoxy-2-propanol 107-98-2 203-539-1 D50 > 2000 mg/kg bodyweight rat Method AUC	LD5		>		3160	mg/kg bodyweight
Bource ECHA 2-methoxy-1-methylethyl acetate 108-65-6 203-603-9 D50 > 5000 mg/kg bodyweight ipecies rat 0ECD 402 0ECD 402 iource ECHA 107-98-2 203-539-1 D50 > 2000 mg/kg bodyweight iopecies rat 440/2008/EC B.3. 440/2008/EC B.3.	Spec	cies	rabbit			
2-methoxy-1-methylethyl acetate 108-65-6 203-603-9 D50 > 5000 mg/kg bodyweight opecies rat OECD 402 OECD 402 iource ECHA 203-539-1 D50 D50 > 2000 mg/kg bodyweight D50 > 2000 mg/kg bodyweight opecies rat 440/2008/EC B.3. 2000 mg/kg bodyweight	Meth	nod	OECD 402			
D50 > 5000 mg/kg bodyweight ippecies rat OECD 402 OECD 402 iource ECHA OECD 402 OECD 402 1-methoxy-2-propanol 107-98-2 203-539-1 D50 > 2000 mg/kg bodyweight ippecies rat 440/2008/EC B.3. Image: Comparison of the second secon	Sour	rce	ECHA			
pecies rat Method OECD 402 Source ECHA 1-methoxy-2-propanol 107-98-2 203-539-1 D50 > 200 mg/kg bodyweight pecies rat Method 440/2008/EC B.3.	2	2-methoxy-1-methylethyl acetate		108-65-6		203-603-9
Nethod OECD 402 ECHA 1-methoxy-2-propanol 107-98-2 203-539-1 D50 > 2000 mg/kg bodyweight opecies rat 440/2008/EC B.3. 1000 1000	LD5	0	>		5000	mg/kg bodyweight
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1-methoxy-2-propanol 107-98-2 203-539-1 D50 > 2000 mg/kg bodyweight opecies rat 440/2008/EC B.3. Hethod	Meth	nod	OECD 402			
D50 > 2000 mg/kg bodyweight ippecies rat 1ethod 440/2008/EC B.3.	Sour	rce	ECHA			
rat 1ethod 440/2008/EC B.3.	3			107-98-2		203-539-1
Iethod 440/2008/EC B.3.	LD50		>		2000	mg/kg bodyweight
	Spec	cies	rat			/ 0
Source ECHA	Meth	nod	440/2008/EC	СВ.3.		
	Sour	rce	ECHA			
cute inhalational toxicity						

Acu	te innalational toxicity				
No	Substance name		CAS no.		EC no.
1	Hydrocarbons, C9, aromatics		64742-95-6		918-668-5
LC5	0	>		6.193	mg/l
Dura	ation of exposure			4	h
State	e of aggregation	Vapour			
Spee	cies	rat			
Meth	nod	OECD 403			



 Current version : 2.2.1, issued: 19.05.2020
 Replaced version: 2.2.0, issued: 28.04.2020
 Region: GB

 Source
 ECHA
 Based on available data, the classification criteria are not met.

Evaluation/classification	Based on av	aliable data, the	e classifica	tion criteria are not met.	
2 trizinc bis(orthophosphate)		7779-90-0		231-944-3	
LC50	>		5.41	mg/l	
Duration of exposure			4	h	
State of aggregation	Dust/mist				
Species	rat				
Method	OECD 403				
Source	ECHA				
Skin corrosion/irritation					
No Substance name		CAS no.		EC no.	
1 Hydrocarbons, C9, aromatics		64742-95-6		918-668-5	
Species	rabbit				
Method	OECD 404				
Source	ECHA				
Evaluation	low-irritant				
Evaluation/classification	Based on av	ailable data, the	e classifica	tion criteria are not met.	
2 2-methoxy-1-methylethyl acetate		108-65-6		203-603-9	
Species	rabbit				
Method	OECD 404				
Source	ECHA				
Evaluation	non-irritant				
3 1-methoxy-2-propanol		107-98-2		203-539-1	
Species	rabbit				
Method	EC 440/2008	3, B.4			
Source	ECHA				
Evaluation	non-irritant				
4 trizinc bis(orthophosphate)		7779-90-0		231-944-3	
Species	rabbit				
Method	OECD 404				
Source	ECHA / Read	d across			
Evaluation	non-irritant				
Serious eye damage/irritation					
No Substance name		CAS no.		EC no.	
1 Hydrocarbons, C9, aromatics		64742-95-6		918-668-5	
Species	rabbit				
Method	OECD 405				

Spee	cies	rabbit		
Meth	nod	OECD 405		
Sou	rce	ECHA		
Eval	uation	non-irritant		
2	2-methoxy-1-methylethyl acetate		108-65-6	203-603-9
Spee	cies	rabbit		
Meth	nod	OECD 405		
Sour	rce	ECHA		
Eval	uation	non-irritant		
3	1-methoxy-2-propanol		107-98-2	203-539-1
Spee	cies	rabbit		
Meth	nod	2004/73/EEC,	, B.5	
Sour	rce	ECHA		
Eval	uation	non-irritant		
4	trizinc bis(orthophosphate)		7779-90-0	231-944-3
Spee	cies	rabbit		
Meth	nod	OECD 405		
Sour	rce	ECHA		
Eval	uation	non-irritant		
5	2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo	-8-oxa-3,5-	57583-35-4	260-829-0
	dithia-4-stannatetradecanoate			
Spee	cies	rabbit		
Meth	hod	OECD 405		
Sour	rce	ECHA		
Eval	uation	non-irritant		

Current version : 2.2.1, issued: 19.05.2020

tes	piratory or skin sensitisation			
	Substance name		CAS no.	EC no.
l	Hydrocarbons, C9, aromatics		64742-95-6	918-668-5
Rout	te of exposure	Skin		
	cies	guinea pig		
	hod	OECD 406		
Soui	rce	ECHA		
Eval	luation	non-sensitizi	ng	
2	2-methoxy-1-methylethyl acetate		108-65-6	203-603-9
Rout	te of exposure	Skin		
	cies	guinea pig		
	hod	OECD 406		
Soui	rce	ECHA		
Eval	luation	non-sensitizi	ng	
;	1-methoxy-2-propanol		107-98-2	203-539-1
Rout	te of exposure	Skin		
	cies	guinea pig		
	hod	440/2008/EC	C B.6	
oui	rce	ECHA		
val	luation	non-sensitizi	ng	
	trizinc bis(orthophosphate)	·	7779-90-0	231-944-3
out	te of exposure	Skin		
	cies	guinea pig		
	rce	ECHA / Rea	d across	
val	luation	non-sensitizi		
	2-ethylhexyl 10-ethyl-4,4-dimethyl-7-ox			260-829-0
	dithia-4-stannatetradecanoate	,		
loui	te of exposure	Skin		
	cies	guinea pig		
Soul		ECHA		
	luation	sensitizing		
	m cell mutagenicity			=
-	Substance name		CAS no.	EC no.
_	Hydrocarbons, C9, aromatics	1	64742-95-6	918-668-5
Sou		ECHA		
			ailabla data tha alaaa	
	luation/classification			ification criteria are not met.
	2-ethylhexyl 10-ethyl-4,4-dimethyl-7-ox			fication criteria are not met. 260-829-0
	2-ethylhexyl 10-ethyl-4,4-dimethyl-7-ox dithia-4-stannatetradecanoate	ko-8-oxa-3,5-		
oui	2-ethylhexyl 10-ethyl-4,4-dimethyl-7-ox dithia-4-stannatetradecanoate rce	ECHA	57583-35-4	260-829-0
oui	2-ethylhexyl 10-ethyl-4,4-dimethyl-7-ox dithia-4-stannatetradecanoate	ECHA	57583-35-4	
ioui Ival	2-ethylhexyl 10-ethyl-4,4-dimethyl-7-ox dithia-4-stannatetradecanoate rce luation/classification	ECHA	57583-35-4	260-829-0
ioui Ival	2-ethylhexyl 10-ethyl-4,4-dimethyl-7-ox dithia-4-stannatetradecanoate rce luation/classification roduction toxicity	ECHA	57583-35-4 ailable data, the class	260-829-0
ioui Ival Rep Io	2-ethylhexyl 10-ethyl-4,4-dimethyl-7-ox dithia-4-stannatetradecanoate rce luation/classification roduction toxicity Substance name	ECHA	57583-35-4 ailable data, the class CAS no.	260-829-0 ification criteria are not met. EC no.
oui val ep	2-ethylhexyl 10-ethyl-4,4-dimethyl-7-ox dithia-4-stannatetradecanoate rce luation/classification roduction toxicity Substance name Hydrocarbons, C9, aromatics	Ko-8-oxa-3,5- ECHA Based on av	57583-35-4 ailable data, the class	260-829-0
ival	2-ethylhexyl 10-ethyl-4,4-dimethyl-7-ox dithia-4-stannatetradecanoate rce luation/classification roduction toxicity Substance name Hydrocarbons, C9, aromatics rce	ECHA Based on av	57583-35-4 ailable data, the class CAS no. 64742-95-6	260-829-0 ification criteria are not met. EC no. 918-668-5
Soui Eval Rep Io	2-ethylhexyl 10-ethyl-4,4-dimethyl-7-ox dithia-4-stannatetradecanoate rce luation/classification roduction toxicity Substance name Hydrocarbons, C9, aromatics	ECHA Based on av	57583-35-4 ailable data, the class CAS no. 64742-95-6	260-829-0 ification criteria are not met. EC no.
ioui Ival Io Io	2-ethylhexyl 10-ethyl-4,4-dimethyl-7-ox dithia-4-stannatetradecanoate rce luation/classification roduction toxicity Substance name Hydrocarbons, C9, aromatics rce	ECHA Based on av	57583-35-4 ailable data, the class CAS no. 64742-95-6	260-829-0 ification criteria are not met. EC no. 918-668-5
Bour Eval Rep Io Bour Eval	2-ethylhexyl 10-ethyl-4,4-dimethyl-7-ox dithia-4-stannatetradecanoate rce luation/classification roduction toxicity Substance name Hydrocarbons, C9, aromatics rce luation/classification	ECHA Based on av	57583-35-4 ailable data, the class CAS no. 64742-95-6	260-829-0 ification criteria are not met. EC no. 918-668-5
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iour ival iour iour ival iour ival iour iour	2-ethylhexyl 10-ethyl-4,4-dimethyl-7-ox dithia-4-stannatetradecanoate rce luation/classification roduction toxicity Substance name Hydrocarbons, C9, aromatics rce luation/classification cinogenicity data available	ECHA Based on av	57583-35-4 ailable data, the class CAS no. 64742-95-6	260-829-0 ification criteria are not met. EC no. 918-668-5
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Sour Eval Rep Io Sour Eval Sour Eval Sour Sour Sour Sour Sour Sour Sour Sour	2-ethylhexyl 10-ethyl-4,4-dimethyl-7-ox dithia-4-stannatetradecanoate rce luation/classification roduction toxicity Substance name Hydrocarbons, C9, aromatics rce luation/classification cinogenicity data available DT - single exposure data available DT - repeated exposure	ECHA Based on av	57583-35-4 ailable data, the classi CAS no. 64742-95-6 ailable data, the classi	260-829-0 ification criteria are not met. EC no. 918-668-5 ification criteria are not met.
Sour Eval Rep Io Sour Eval Sour Source Sourc	2-ethylhexyl 10-ethyl-4,4-dimethyl-7-ox dithia-4-stannatetradecanoate rce luation/classification roduction toxicity Substance name Hydrocarbons, C9, aromatics rce luation/classification cinogenicity data available DT - single exposure data available DT - repeated exposure Substance name	Co-8-oxa-3,5- ECHA Based on av ECHA Based on av	57583-35-4 ailable data, the classi CAS no. 64742-95-6 ailable data, the classi CAS no.	260-829-0 ification criteria are not met. EC no. 918-668-5 ification criteria are not met. EC no.
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Court Court	2-ethylhexyl 10-ethyl-4,4-dimethyl-7-ox dithia-4-stannatetradecanoate rce luation/classification roduction toxicity Substance name Hydrocarbons, C9, aromatics rce luation/classification cinogenicity data available DT - single exposure data available DT - repeated exposure Substance name 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-ox dithia-4-stannatetradecanoate	KO-8-OXA-3,5- ECHA Based on av ECHA Based on av	57583-35-4 ailable data, the classi CAS no. 64742-95-6 ailable data, the classi CAS no.	260-829-0 ification criteria are not met. EC no. 918-668-5 ification criteria are not met. EC no.
Rep Io Sour Sour Sour Sour STO Io Rout	2-ethylhexyl 10-ethyl-4,4-dimethyl-7-ox dithia-4-stannatetradecanoate rce luation/classification roduction toxicity Substance name Hydrocarbons, C9, aromatics rce luation/classification cinogenicity data available DT - single exposure data available DT - repeated exposure Substance name 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-ox dithia-4-stannatetradecanoate te of exposure	Co-8-oxa-3,5- ECHA Based on av ECHA Based on av	57583-35-4 ailable data, the classi CAS no. 64742-95-6 ailable data, the classi CAS no.	260-829-0 ification criteria are not met. EC no. 918-668-5 ification criteria are not met. EC no.
Sour Val Sour Sour Sour Sour STO STO STO STO STO STO Sour Spece	2-ethylhexyl 10-ethyl-4,4-dimethyl-7-ox dithia-4-stannatetradecanoate rce luation/classification roduction toxicity Substance name Hydrocarbons, C9, aromatics rce luation/classification cinogenicity data available DT - single exposure data available DT - repeated exposure Substance name 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-ox dithia-4-stannatetradecanoate te of exposure	Co-8-oxa-3,5- ECHA Based on av ECHA Based on av	57583-35-4 ailable data, the classi CAS no. 64742-95-6 ailable data, the classi CAS no.	260-829-0 ification criteria are not met. EC no. 918-668-5 ification criteria are not met. EC no.
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Evaluation/classification

Based on available data, the classification criteria are met.

Aspiration hazard

No data available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Ingestion may cause nausea, diarrhoea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)											
No Substance name	CAS no.		EC no.								
1 Hydrocarbons, C9, aromatics	64742-95-6		918-668-5								
LL50		9.2	mg/l								
Duration of exposure		96	h								
Species	Oncorhynchus mykiss										
Method	OECD 203										
Source	ECHA										
2 2-methoxy-1-methylethyl acetate	108-65-6		203-603-9								
LC50	100 -	180	mg/l								
Duration of exposure		96	h								
Species	Oncorhynchus mykiss										
Method	OECD 203										
Source	ECHA										
3 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo	o-8-oxa-3,5- 57583-35-4		260-829-0								
dithia-4-stannatetradecanoate											
LC50	>	1000	mg/l								
Duration of exposure		96	h								
Species	Pimephales promelas										
Method	OECD 203										
Source	ECHA										
Tovicity to fich (chronic)											
Toxicity to fish (chronic)											
No data available											
No data available Toxicity to Daphnia (acute)											
No data available Toxicity to Daphnia (acute) No Substance name	CAS no.		EC no.								
No data availableToxicity to Daphnia (acute)NoSubstance name1Hydrocarbons, C9, aromatics	CAS no. 64742-95-6		EC no. 918-668-5								
No data availableToxicity to Daphnia (acute)NoSubstance name1Hydrocarbons, C9, aromaticsEL50		3.2	918-668-5 mg/l								
No data available Toxicity to Daphnia (acute) No Substance name 1 Hydrocarbons, C9, aromatics EL50 Duration of exposure	64742-95-6	3.2 48	918-668-5								
No data available Toxicity to Daphnia (acute) No Substance name 1 Hydrocarbons, C9, aromatics EL50 Duration of exposure Species Species	64742-95-6 Daphnia magna		918-668-5 mg/l								
No data available Toxicity to Daphnia (acute) No Substance name 1 Hydrocarbons, C9, aromatics EL50 Duration of exposure Species Method	64742-95-6 Daphnia magna OECD 202		918-668-5 mg/l								
No data available Toxicity to Daphnia (acute) No Substance name 1 Hydrocarbons, C9, aromatics EL50 Duration of exposure Species Method Source Source	64742-95-6 Daphnia magna OECD 202 ECHA		918-668-5 mg/l h								
No data available Toxicity to Daphnia (acute) No Substance name 1 Hydrocarbons, C9, aromatics EL50 Duration of exposure Species Method	64742-95-6 Daphnia magna OECD 202 ECHA		918-668-5 mg/l								
No data available Toxicity to Daphnia (acute) No Substance name 1 Hydrocarbons, C9, aromatics EL50 Duration of exposure Species Method Source 2 2 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxoc	64742-95-6 Daphnia magna OECD 202 ECHA		918-668-5 mg/l h								
No data available Toxicity to Daphnia (acute) No Substance name 1 Hydrocarbons, C9, aromatics EL50 Duration of exposure Species Method Source 2 2 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxod dithia-4-stannatetradecanoate	64742-95-6 Daphnia magna OECD 202 ECHA	48	918-668-5 mg/l h 260-829-0								
No data available Toxicity to Daphnia (acute) No Substance name 1 Hydrocarbons, C9, aromatics EL50 Duration of exposure Species Method Source 2 2 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxod dithia-4-stannatetradecanoate EC50	64742-95-6 Daphnia magna OECD 202 ECHA	48	918-668-5 mg/l h 260-829-0 mg/l								
No data available Toxicity to Daphnia (acute) No Substance name 1 Hydrocarbons, C9, aromatics EL50 Duration of exposure Species Method Source 2 2 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxod dithia-4-stannatetradecanoate EC50 Duration of exposure	64742-95-6 Daphnia magna OECD 202 ECHA >-8-oxa-3,5- 57583-35-4	48	918-668-5 mg/l h 260-829-0 mg/l								
No data available Toxicity to Daphnia (acute) No Substance name 1 Hydrocarbons, C9, aromatics EL50 Duration of exposure Species Method Source 2 2 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxod dithia-4-stannatetradecanoate EC50 Duration of exposure Species Species	64742-95-6 Daphnia magna OECD 202 ECHA >-8-oxa-3,5- 57583-35-4 Daphnia magna	48	918-668-5 mg/l h 260-829-0 mg/l								
No data available Toxicity to Daphnia (acute) No Substance name 1 Hydrocarbons, C9, aromatics EL50 Duration of exposure Species Method Source 2 2 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxod dithia-4-stannatetradecanoate EC50 Duration of exposure Species Method Source	64742-95-6 Daphnia magna OECD 202 ECHA >-8-oxa-3,5- 57583-35-4 Daphnia magna OECD 202	48	918-668-5 mg/l h 260-829-0 mg/l								
No data available Toxicity to Daphnia (acute) No Substance name 1 Hydrocarbons, C9, aromatics EL50 Duration of exposure Species Method Source 2 2 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxod dithia-4-stannatetradecanoate EC50 Duration of exposure Species Method	64742-95-6 Daphnia magna OECD 202 ECHA >-8-oxa-3,5- 57583-35-4 Daphnia magna OECD 202	48	918-668-5 mg/l h 260-829-0 mg/l								



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1 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo	-8-oxa-3,5-	57583-35-4		260-829-0
dithia-4-stannatetradecanoate				
NOEC			0.457	mg/l
Duration of exposure			21	day(s)
Species	Daphnia mag	jna		
Method	OECD 211			
Source	ECHA			
Toxicity to algae (acute)				
No Substance name		CAS no.		EC no.
1 Hydrocarbons, C9, aromatics		64742-95-6		918-668-5
EL50			2.9	mg/l
Duration of exposure			72	h
Species	Pseudokirchr	neriella subcapi	tata	
Method	OECD 201			
Source	ECHA			
2 2-methoxy-1-methylethyl acetate		108-65-6		203-603-9
EC50	>		1000	mg/l
Duration of exposure			72	h
Species		neriella subcapi	tata	
Method	OECD 201			
Source	ECHA			
3 2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo dithia-4-stannatetradecanoate	-8-oxa-3,5-	57583-35-4		260-829-0
EC50			270	mg/l
Duration of exposure			72	h
Species	Pseudokirchr	neriella subcapi	tata	
Method	OECD 201			
Source	ECHA			
Toxicity to algae (chronic)				
No data available				
Bacteria toxicity				
No Substance name		CAS no.		EC no.
1 Hydrocarbons, C9, aromatics		64742-95-6		918-668-5
EC50	>		99	mg/l
Duration of exposure			10	min
Species	activated slue	dge		
Method	OECD 209			
Source	ECHA			

12.2 Persistence and degradability

Biod	degradability			
No	Substance name	CAS no.	l	EC no.
1	Hydrocarbons, C9, aromatics	64742-95-6	(918-668-5
Туре	9	BSB		
Valu	e	78	}	%
Dura	ation	28	3	d
Meth	nod	OECD 301 F		
Sou	rce	ECHA		
Eval	uation	readily biodegradable		
2	2-methoxy-1-methylethyl acetate	108-65-6	2	203-603-9
Туре	9	aerobic biodegradation		
Valu	e	90)	%
Dura	ation	28	3	day(s)
Meth	nod	OECD 301 F		
Sou	rce	ECHA		
Eval	uation	readily biodegradable		
3	1-methoxy-2-propanol	107-98-2	2	203-539-1
Туре	9	aerobic biodegradation		
Valu		96	6	%



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Dura	ation		28	day(s)	
Met	hod	OECD 301 E			
Sou	rce	ECHA			
Eva	luation	readily biodegradable			
4	2-ethylhexyl 10-ethyl-4,4-dimethyl-7-ox	o-8-oxa-3,5- 57583-35	-4	260-829-0	
	dithia-4-stannatetradecanoate				
Тур		aerobic biodegradation			
		aerobic biodegradation	28	day(s)	_
	ation	aerobic biodegradation OECD 301 F	28	day(s)	
Dura	e ation hod		28	day(s)	

12.3 Bioaccumulative potential

Biod	Bioconcentration factor (BCF)							
No	Substance name		CAS no.		EC no.			
1	2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo	-8-oxa-3,5-	57583-35-4		260-829-0			
	dithia-4-stannatetradecanoate							
BCF		<		0.83				
Meth	nod	QSAR						
Sou	rce	ECHA						
Part	ition coefficient: n-octanol/water							
-			CAC ===		FC ===			
No	Substance name		CAS no.		EC no.			
1	2-methoxy-1-methylethyl acetate		108-65-6		203-603-9			
log F	Pow			1.2				
Refe	erence temperature			20	°C			
Meth	nod	OECD 117						
Sou	rce	ECHA						
2	2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo	-8-oxa-3,5-	57583-35-4		260-829-0			
	dithia-4-stannatetradecanoate							
log F	Pow			8.5				
Meth	nod	OECD 117						
Sou	rce	ECHA						

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	The components of this product are not considered to be a PBT.
vPvB assessment	The components of this product are not considered to be a vPvB.

12.6 Other adverse effects

No data available.

12.7 Other information

Other information Do not allow to enter drains or water courses.

08 01 11*

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste code

waste paint and varnish containing organic solvents or other hazardous substances

The listed waste code numbers, according to the European Waste Catalogue, are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company. 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.

Packaging

Residuals 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

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by the regional disposer. Empty containers must be scrapped or reconditioned.

SECTION 14: Transport information

14.1	Transport ADR/RID/ADN Class Classification code Packing group Hazard identification no. UN number Proper shipping name Tunnel restriction code Label Environmentally hazardous substance mark	3 F1 III 30 UN1263 PAINT D/E 3 Symbol "fish and tree"	
14.2	Transport IMDG Class Packing group UN number Proper shipping name Technical name EmS Label	3 III UN1263 PAINT Hydrocarbons, C9, aromatics trizinc bis(orthophosphate) F-E+S-E 3	
	Marine pollutant mark	s Symbol "fish and tree"	
14.3	Transport ICAO-TI / IATA Class Packing group UN number Proper shipping name Label	3 III UN1263 Paint 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 Transport within the user's premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.		
14.7	Transport in bulk according t Not relevant	o Annex II of Marpol and the IBC Code	
SEC	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

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THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES

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

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:
 E2, P5c

 If the properties of the substance/product give rise to more than one classification, for the purposes of 2012/18/UE, the lowest qualifying quantities set out in Part 1 and Part 2 of Annex I shall apply.

Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control)VOC content37.15

Directive 2004/42/CE on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products

relevant VOC limit value as referred to in Annex II of Directive 2004/42/CE , Cat. : i, type: lb = 500 g/l Max. VOC content (limit value) of the product in its ready for use condition = < 500 g/l

National regulations

Other national regulations

Adhere to national regulations for proper handling and use of hazardous materials. Use appropriate personal protective equipment.

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

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

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.

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

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H361d	Suspected of damaging the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Department issuing safety data sheet

UMCO GmbH

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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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