

TECHNOSEAL

Creation date 14th January 2021
 Revision date Version 3.0

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

- 1.1. Product identifier**
 Substance / mixture TECHNOSEAL
 Number R 34904
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
 Barrier (Sealant).
Mixture uses advised against
 For professional use only.
- 1.3. Details of the supplier of the safety data sheet**
Supplier
 Name or trade name RETECH, s.r.o.
 Address Vackova 1541/4, Praha 5 - Stodůlky, 155 00
 Czech Republic
 Identification number (CRN) 25018205
 VAT Reg No CZ25018205
 Phone +420327596428
 E-mail info@retech.cz
 Web address www.retech.com
- Competent person responsible for the safety data sheet**
 Name RETECH, s.r.o.
 E-mail info@retech.cz
- 1.4. Emergency telephone number**
 European emergency number: 112

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**
Classification of the mixture in accordance with Regulation (EC) No 1272/2008
 The mixture is not classified as dangerous according to Regulation (EC) No 1272/2008.
 Full text of all classifications and hazard statements is given in the section 16.
- 2.2. Label elements**
Supplemental information
 EUH210 Safety data sheet available on request.
 EUH208 Contains Dioctylbis(pentane-2,4-dionato-O,O')tin. May produce an allergic reaction.
- 2.3. Other hazards**
 Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

SECTION 3: Composition/information on ingredients

- 3.2. Mixtures**
Chemical characterization
 Mixture of substances and additives specified below.
Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
EC: 934-956-3 Registration number: 01-2119827000-58	Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics	1-<10	Asp. Tox. 1, H304	1, 2

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Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 54068-28-9 EC: 483-270-6 Registration number: 01-0000020199-67	Diocetylbis(pentane-2,4-dionato-O,O')tin	1-<5	Skin Sens. 1, H317 STOT SE 2, H371 STOT RE 2, H373 Specific concentration limit: Skin Sens. 1, H317: C > 5 %	1

Notes

- 1 The use of the substance is restricted by Annex XVII of REACH Regulation
- 2 Substance of unknown or variable composition, complex reaction products or biological materials - UVCB.

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures**

If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. In the event of issues, find medical advice.

If on skin

Wash with plenty of soap and water. In the event of issues, find medical advice.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. In the event of issues, find medical advice.

If swallowed

Rinse out the mouth with clean water. In the event of issues, find medical help.

4.2. Most important symptoms and effects, both acute and delayed**If inhaled**

Not expected.

If on skin

Not expected.

If in eyes

Mild irritation.

If swallowed

Not expected.

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

not available

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Polyvalent foam, ABC powder, carbon dioxide.

Unsuitable extinguishing media

not available

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise.

5.3. Advice for firefighters

Use a self-contained breathing apparatus and full-body protective clothing.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Place the spilled product mechanically in the properly closed containers and dispose of it according to the section 13. After removal of the product, wash the contaminated site with plenty of water. Wash contaminated clothing before reuse.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep away from heat, open flames. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Take off contaminated clothing.

7.2. Conditions for safe storage, including any incompatibilities

Keep cool. Keep away from heat, open flames.

Content	Packaging type	Material of package
290 ml	kartuš	PE

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL

Diocetylbis(pentane-2,4-dionato-O,O')tin

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	84 mg/m ³	Systemic chronic effects	
Workers	Inhalation	84 mg/m ³	Systemic acute effects	
Workers	Inhalation	0.091 mg/m ³	Local chronic effects	
Workers	Dermal	0.07 mg/kg bw/day	Systemic chronic effects	

PNEC

Diocetylbis(pentane-2,4-dionato-O,O')tin

Route of exposure	Value	Determining method
Freshwater environment	0.026 mg/l	
Seawater	0.0026 mg/l	
Water (intermittent release)	0.26 mg/l	
Freshwater sediment	0.155 mg/kg of dry substance of sediment	
Sea sediments	0.0155 mg/kg of dry substance of sediment	
Soil (agricultural)	0.0158 mg/kg of dry substance of soil	
Microorganisms in wastewater treatment plants	1 mg/l	

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8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. Keep away from heat, open flames. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Protective goggles.

Skin protection

Hand protection: Protective gloves resistant to the product. Other protection: protective workwear.

Respiratory protection

It is not needed.

Thermal hazard

Not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

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

Physical state	liquid
Color	transparent
Odour	characteristic
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	data not available
Flammability	data not available
Lower and upper explosion limit	data not available
Flash point	data not available
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	data not available
Kinematic viscosity	data not available
Solubility in water	insoluble
Solubility in fats	data not available
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	
Density	1,5 g/cm ³ at 20 °C
Relative density	1,5
data not available	

9.2. Other information

Evaporation rate	data not available
Appearance	paste
Content of organic solvents (VOC)	2,29 %
Max. VOC content in the product in its ready to use condition	34,39 g/l

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

not available

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

not available

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10.4. Conditions to avoid

Keep away from heat, open flames.

10.5. Incompatible materials

not available

10.6. Hazardous decomposition products

Not developed under normal uses. In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise.

SECTION 11: Toxicological information

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

No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

Diocylbis(pentane-2,4-dionato-O,O')tin

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex	Determining method	Source
Oral	LD ₅₀	OECD 423	2500 mg/kg		Rat	F	Experimentally	
Dermal	LD ₅₀	OECD 402	>2000000 mg/kg	24 hour	Rat	F/M	Experimentally	
Inhalation (vapor)	LD ₅₀		1224 ppm	4 hour	Rat	F/M	Experimentally	Equivalent to OECD 403

Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex	Determining method	Source
Oral	LD ₅₀		>5000 mg/kg bw		Rat	F/M	Experimentally	Equivalent to OECD 401
Dermal	LD ₅₀		>3160 mg/kg bw	24 hour	Rabbit	F/M	Experimentally	Equivalent to OECD 402
Inhalation	LC ₅₀		>5266 mg/m ³ of air	4 hour	Rat	F/M	Experimentally	Equivalent to OECD 403

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Diocylbis(pentane-2,4-dionato-O,O')tin

Route of exposure	Result	Method	Time of exposure	Species	Determining method
Skin	Not irritating	OECD 404	4 hour	Rabbit	Experimentally

Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics

Route of exposure	Result	Method	Time of exposure	Species	Determining method
Skin	Not irritating	OECD 404	4 hour	Rabbit	Experimentally

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Serious eye damage/irritation

Based on available data the classification criteria are not met.

Dioctylbis(pentane-2,4-dionato-O,O')tin

Route of exposure	Result	Method	Time of exposure	Species	Determining method
Eye	Not irritating	OECD 405		Rabbit	Experimentally

Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics

Route of exposure	Result	Method	Time of exposure	Species	Determining method
Eye	Not irritating	OECD 405	24 hour	Rabbit	Experimentally

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

Dioctylbis(pentane-2,4-dionato-O,O')tin

Route of exposure	Result	Method	Time of exposure	Species	Sex	Determining method
Skin	Sensitizing	OECD 429		Mouse	F	Experimentally

Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics

Route of exposure	Result	Method	Time of exposure	Species	Sex	Determining method
Skin	Not sensitizing	OECD 406		Guinea-pig	F	Read-across

Mutagenicity

Dioctylbis(pentane-2,4-dionato-O,O')tin

Result	Method	Time of exposure	Specific target organ	Species	Sex	Determining method	Source
No effect, Negative	OECD 476		Lung fibroblast	Chinese hamster		Experimentally	in vitro
No effect, Negative	OECD 473		Lung fibroblast	Chinese hamster		Experimentally	in vitro
No effect, Negative	OECD 471			Bacteria (Salmonella typhimurium)		Experimentally	in vitro
Negative	OECD 474		Bone marrow	Mouse	M	Experimentally	in vivo

Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics

Result	Method	Time of exposure	Specific target organ	Species	Sex	Determining method	Source
Negative without metabolic activation, Negative with metabolic activation	OECD 471			Bacteria (Salmonella typhimurium)		Experimentally	in vitro

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Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics

Result	Method	Time of exposure	Specific target organ	Species	Sex	Determining method	Source
Negative without metabolic activation, Negative with metabolic activation	OECD 476			Mouse (lymphoma)		Read-across	in vitro
Negative without metabolic activation, Negative with metabolic activation	OECD 473		Ovary	Chinese hamster		Read-across	in vitro
Negative	OECD 483	8 week (6 hour/day, 5 days/week)	Male reproductive organs	Mouse	M	Read-across	in vivo
Negative	OECD 475		Bone marrow	Rat	F/M	Read-across	in vivo
Negative	OECD 474	24, 48, 72 hour	Bone marrow	Mouse	F/M	Read-across	in vivo

Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive toxicity

Based on available data the classification criteria are not met.

Dioctylbis(pentane-2,4-dionato-O,O')tin

Effect	Parameter	Method	Value	Time of exposure	Specific target organ	Result	Species	Sex	Determining method	Source
	NOAEL	OECD 422	0.3-0.5 mg/kg bw/day	28 day	Lymphatic system	No effect	Rat		Experimentally	
Effects on fertility	NOAEL	OECD 422	0.3-0.5 mg/kg bw/day	28 day		No effect	Rat	F/M	Experimentally	

Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics

Effect	Parameter	Method	Value	Time of exposure	Specific target organ	Result	Species	Sex	Determining method	Source
Developmental toxicity	NOAEL	OECD 414	>1000 mg/kg bw/day	10 day		No effect	Rat	F	Experimentally	
	NOAEL	OECD 414	>1000 mg/kg bw/day	10 day		No effect	Rat	F	Experimentally	
Effects on fertility	NOAEL (P)		>1000 mg/kg bw/day	10 day		No effect	Rat	F/M	Read-across	Equivalent to OECD 422

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Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics

Effect	Parameter	Method	Value	Time of exposure	Specific target organ	Result	Species	Sex	Determining method	Source
Effects on fertility	NOAEL (P)		>1000 mg/kg bw/day	10 day		No effect	Rat	F/M	Read-across	Equivalent to OECD 421

Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

Diocylbis(pentane-2,4-dionato-O,O')tin

Route of exposure	Parameter	Method	Value	Time of exposure	Specific target organ	Result	Species	Sex	Determining method	Source
Oral	NOAEL	OECD 422	0.3 mg/kg bw/day	28 day	Lymphatic system	No effect	Rat	F/M	Experimentally	
Inhalation (vapor)	NOEC		100 ppm	14 week (6 hour/day, 5 days/week)		No effect	Rat	F/M	Experimentally	Equivalent to OECD 413
Inhalation (vapor)	LOAEC		650 ppm	14 week (6 hour/day, 5 days/week)		Histopathology	Rat	F/M	Experimentally	Equivalent to OECD 413

Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics

Route of exposure	Parameter	Method	Value	Time of exposure	Specific target organ	Result	Species	Sex	Determining method	Source
Oral	NOAEL	OECD 408	>5000 mg/kg bw/day	13 week		No effect	Rat	F/M	Read-across	
Dermal	NOAEL	OECD 411	>495 mg/kg/24hour	13 week (5 days/week)		No effect	Rat	F/M	Read-across	
Inhalation (vapor)	NOAEC	OECD 413	10186 mg/m ³ of air	13 week (6 hour/day, 5 days/week)		No effect	Rat	F/M	Read-across	

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

11.2. Information on other hazards

not available

SECTION 12: Ecological information
12.1. Toxicity

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Acute toxicity

Data for the mixture are not available.

Diocylbis(pentane-2,4-dionato-O,O')tin

Parameter	Method	Value	Time of exposure	Species	Environment	Determining method	Source
LC ₅₀	OECD 203	86 mg/l	96 hour	Fishes (Pisces)		Experimentally, Static system	
EC ₅₀	OECD 202	58.6 mg/l	48 hour	Daphnia (Daphnia magna)		Experimentally, Static system	
EC ₅₀	OECD 201	300 mg/l	24 hour	Algae (Scenedesmus subspicatus)		Experimentally, Static system	

Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics

Parameter	Method	Value	Time of exposure	Species	Environment	Determining method	Source
LC ₅₀	OECD 203	>1028 mg/l	96 hour	Fishes (Scophthalmus maximus)	Salt water	Experimentally, GLP, Semi static system	
LC ₅₀		>3193 mg/l	48 hour	Invertebrates (Acartia tonsa)	Salt water	Experimentally, GLP, Static system	ISO 14669
EC ₅₀	ISO 10253	>10000 mg/l	72 hour	Algae (Skeletonema)	Salt water	Experimentally, GLP, Static system	
EC ₅₀	OECD 209	>100 mg/l	3 hour	Aquatic mikroorganisms	Activated sludge	Experimentally, GLP, Static system	

Chronic toxicity

Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics

Parameter	Value	Time of exposure	Species	Environment	Determining method	Source
NOEL	>1000 mg/l	28 day	Fishes (Oncorhynchus mykiss)	Freshwater	QSAR, Indicator of growth	
NOEL	>100 mg/l	8 day	Invertebrates (Ceriodaphnia dubia)	Freshwater	Nominal concentration, QSAR, Semi static system	US EPA

12.2. Persistence and degradability
Biodegradability

Diocylbis(pentane-2,4-dionato-O,O')tin

Parameter	Method	Value	Time of exposure	Environment	Determining method	Result
	OECD 301F	9 %	28 day		Experimentally, GLP	

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Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics

Parameter	Method	Value	Time of exposure	Environment	Determining method	Result
	OECD 306	74 %	28 day		Experimentally, GLP	

Contains non readily biodegradable components.

12.3. Bioaccumulative potential

Not available.

12.4. Mobility in soil

Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics

Parameter	Value	Environment	Surrounding temperature	Determining method	Source
Fraction air	0.3 %			Calculation of value	Makay level III
Fraction sediment	92.8 %			Calculation of value	Makay level III
Fraction soil	6.8 %			Calculation of value	Makay level III
Fraction water	0.1 %			Calculation of value	Makay level III

Contains component(s) that adsorb(s) into the soil.

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

Not available.

12.7. Other adverse effects

Water hazard class 1 (german Regulation, self-assessment): slightly hazardous for water.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

Packaging waste type code

15 01 02 plastic packaging

SECTION 14: Transport information

14.1. UN number or ID number

Not subject to ADR

14.2. UN proper shipping name

not available

14.3. Transport hazard class(es)

not available

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14.4. Packing group

not available

14.5. Environmental hazards

No

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not available

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended.

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Restrictions pursuant to Annex XVII of Regulation (EC) No. 1907/2006 (REACH), as amended

Diocetylbis(pentane-2,4-dionato-O,O')tin

Restriction	Conditions of restriction
20	<p>1. Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture is acting as biocide in free association paint.</p> <p>2. Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture acts as biocide to prevent the fouling by micro-organisms, plants or animals of:</p> <p>(a) all craft irrespective of their length intended for use in marine, coastal, estuarine and inland waterways and lakes;</p> <p>(b) cages, floats, nets and any other appliances or equipment used for fish or shellfish farming;</p> <p>(c) any totally or partly submerged appliance or equipment.</p> <p>3. Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture is intended for use in the treatment of industrial waters.</p> <p>4. Tri-substituted organostannic compounds:</p> <p>(a) Tri-substituted organostannic compounds such as tributyltin (TBT) compounds and triphenyltin (TPT) compounds shall not be used after 1 July 2010 in articles where the concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin.</p> <p>(b) Articles not complying with point (a) shall not be placed on the market after 1 July 2010, except for articles that were already in use in the Community before that date.</p> <p>5. Dibutyltin (DBT) compounds:</p> <p>(a) Dibutyltin (DBT) compounds shall not be used after 1 January 2012 in mixtures and articles for supply to the general public where the concentration in the mixture or the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin.</p> <p>(b) Articles and mixtures not complying with point (a) shall not be placed on the market after 1 January 2012, except for articles that were already in use in the Community before that date.</p> <p>(c) By way of derogation, points (a) and (b) shall not apply until 1 January 2015 to the following articles and mixtures for supply to the general public:</p> <ul style="list-style-type: none"> — one-component and two-component room temperature vulcanisation sealants (RTV-1 and RTV-2 sealants) and adhesives, — paints and coatings containing DBT compounds as catalysts when applied on articles, — soft polyvinyl chloride (PVC) profiles whether by themselves or coextruded with hard PVC, — fabrics coated with PVC containing DBT compounds as stabilisers when intended for outdoor applications, — outdoor rainwater pipes, gutters and fittings, as well as covering material for roofing and façades, <p>(d) By way of derogation, points (a) and (b) shall not apply to materials and articles regulated under Regulation (EC) No 1935/2004.</p> <p>6. Diocetyltin (DOT) compound:</p> <p>(a) Diocetyltin (DOT) compounds shall not be used after 1 January 2012 in the following articles for supply to, or use by, the general public, where the concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin:</p> <ul style="list-style-type: none"> — textile articles intended to come into contact with the skin, — gloves, — footwear or part of footwear intended to come into contact with the skin, — wall and floor coverings, — childcare articles, — female hygiene products, — nappies, — two-component room temperature vulcanisation moulding kits (RTV-2 moulding kits). <p>(b) Articles not complying with point (a) shall not be placed on the market after 1 January 2012, except for articles that were already in use in the Community before that date.</p>

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Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics, Dioctylbis(pentane-2,4-dionato-O,O')tin

Restriction	Conditions of restriction
03	<p>1. Shall not be used in:</p> <ul style="list-style-type: none"> — ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays, — tricks and jokes, — games for one or more participants, or any article intended to be used as such, even with ornamental aspects, <p>2. Articles not complying with paragraph 1 shall not be placed on the market.</p> <p>3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:</p> <ul style="list-style-type: none"> — can be used as fuel in decorative oil lamps for supply to the general public, and, — present an aspiration hazard and are labelled with R65 or H304, <p>4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).</p> <p>5. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:</p> <p>(a) lamp oils, labelled with R65 or H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: "Keep lamps filled with this liquid out of the reach of children"; and, by 1 December 2010, "Just a sip of lamp oil — or even sucking the wick of lamps — may lead to life-threatening lung damage";</p> <p>(b) grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter may lead to life threatening lung damage";</p> <p>(c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.</p> <p>6. No later than 1 June 2014, the Commission shall request the European Chemicals Agency to prepare a dossier, in accordance with Article 69 of the present Regulation with a view to ban, if appropriate, grill lighter fluids and fuel for decorative lamps, labelled R65 or H304, intended for supply to the general public.</p> <p>7. Natural or legal persons placing on the market for the first time lamp oils and grill lighter fluids, labelled with R65 or H304, shall by 1 December 2011, and annually thereafter, provide data on alternatives to lamp oils and grill lighter fluids labelled R65 or H304 to the competent authority in the Member State concerned. Member States shall make those data available to the Commission.</p>

15.2. Chemical safety assessment

not available

SECTION 16: Other information
A list of standard risk phrases used in the safety data sheet

H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H371	May cause damage to organs.
H373	May cause damage to organs through prolonged or repeated exposure.

A list of additional standard phrases used in the safety data sheet

EUH210	Safety data sheet available on request.
EUH208	Contains Dioctylbis(pentane-2,4-dionato-O,O')tin. May produce an allergic reaction.

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Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
DNEL	Derived no-effect level
EC	Identification code for each substance listed in EINECS
EC ₅₀	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
IC ₅₀	Concentration causing 50% blockade
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
LOAEC	Lowest observed adverse effect concentration
LOAEL	Lowest observed adverse effect level
log K _{ow}	Octanol-water partition coefficient
MARPOL	International Convention for the Prevention of Pollution From Ships
NOAEC	No observed adverse effect concentration
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
NOEL	No observed effect level
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted no-effect concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative
Asp. Tox.	Aspiration hazard
Skin Sens.	Skin sensitization

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STOT RE	Specific target organ toxicity - repeated exposure
STOT SE	Specific target organ toxicity - single exposure
Without classification	Without classification

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

The version 3.0 replaces the SDS version from 26 March 2020. Changes were made in sections 7, 9 and 16.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.