

The Brief Profile summarizes the non-confidential data on substances as it is held in the databases of the European Chemicals Agency (ECHA), including data provided by third parties. The Brief Profile is automatically generated; note that it does not currently distinguish between harmonised classification and minimum classification; information requirements under different legislative frameworks may therefore not be fully up to date or complete. For accuracy reasons, substance manufacturers and imports have the responsibility to consult official sources, e.g. the electronic edition of the Official Journal of the European Union. This Brief Profile is covered by the ECHA Legal Notice.

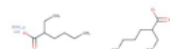
## Tin bis(2-ethylhexanoate)

Brief Profile - Last updated: 15/01/2021



### Substance Description

#### Substance identity



EC / List name:

IUPAC name: tin(2+) bis(2-ethylhexanoate)

Substance names and other identifiers

EC / List no.: 206-108-6

CAS no.: 301-10-0

Index number:

Molecular formula: C<sub>16</sub>H<sub>32</sub>O<sub>4</sub>Sn

SMILES: [SnH2++].CCCCC(CC)C([O-])=O.CCCCC(CC)C([O-])=O

InChI: InChI=1/2C8H16O2.Sn.2H/c2\*1-3-5-6-7(4-2)8(9)10///h2\*7H,3-6H2,1-2H3,(H,9,10)///q;+2;/p-2

Type of substance: Mono constituent substance

Origin: Other

Registered compositions: 6

Of which contain: 1 impurities relevant for classification

0 additives relevant for classification

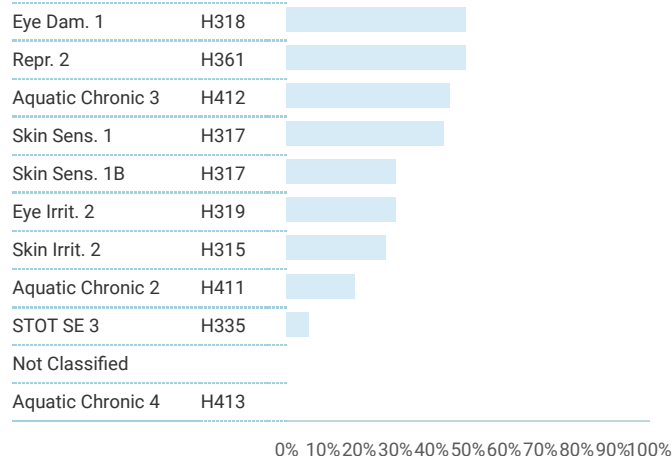
Substance Listed: EINECS (European Inventory of Existing Commercial chemical Substances) List

#### Hazard classification & labelling



**Danger!** According to the classification provided by companies to ECHA in **CLP notifications** this substance is toxic to aquatic life with long lasting effects, causes serious eye damage, is suspected of damaging fertility or the unborn child, may cause an allergic skin reaction, causes skin irritation and may cause respiratory irritation.

#### Breakdown of all 900 C&L notifications submitted to ECHA



- ✓ Harmonised Classification
- REACH registration dossiers notifications
- CLP notifications

At least one notifier has indicated that an impurity or an additive present in the substance impacts the notified classification.

## Properties of concern

Ss

There is broad agreement in that a majority of data submitters agree this substance is Skin sensitising (73.44% of CLP notifications).

## Regulatory context

### Registration, Evaluation, Authorisation & Restriction of Chemicals (REACH)

#### Registration

**Pre-registration:** Substance pre-registered under REACH.

**Registration:** This substance has 8 active registrations under REACH, 1 Joint Submission(s) and 0 Individual Submission(s).

#### Evaluation

**Dossier Evaluation:** Registration dossiers submitted to ECHA for this substance have been evaluated under REACH.

**Substance Evaluation:**

#### Authorisation

**Candidate List:**

**Annex XIV (Authorisation List):**

#### Restriction

**Annex XVII (Restriction List):**

### Persistent Organic Pollutants Regulation (POPs)

**List of substances subject to the POPs Regulation:**

**List of substances proposed as POPs:**

### Classification Labelling & Packaging (CLP)

**Harmonised C&L:**

**Seveso Annex I:**

**Notified C&L:** Classification & Labelling has been notified by industry to ECHA for this substance.

### Biocidal Products Regulation (BPR)

**Active Substance:**

**Biocidal Products:**

**Prior Informed Consent (PIC)**

**Annex I:**

**Annex V:**

### European Union Observatory for Nanomaterials (EUON)

**EUON:**

## About this substance

### General

This substance is registered under the REACH Regulation and is manufactured in and / or imported to the European Economic Area, at  $\geq 1\,000$  to  $< 10\,000$  per annum.

This substance is used by consumers, in articles, by professional workers (widespread uses), in formulation or re-packing and at industrial sites.

### Consumer Uses

This substance is used in the following products: adhesives and sealants, coating products, fillers, putties, plasters, modelling clay and polymers. This substance has an industrial use resulting in manufacture of another substance (use of intermediates).

Other release to the environment of this substance is likely to occur from: indoor use and outdoor use resulting in inclusion into or onto a materials (e.g. binding agent in paints and coatings or adhesives).

### Article service life

This substance is used in the following activities or processes at workplace: production of mixtures or articles by tableting, compression, extrusion or pelletisation and the low energy manipulation of substances bound in materials or articles.

Release to the environment of this substance can occur from industrial use: formulation of mixtures, formulation in materials, as processing aid, in processing aids at industrial sites, in the production of articles, as an intermediate step in further manufacturing of another substance (use of intermediates) and as processing aid. Other release to the environment of this substance is likely to occur from: indoor use and outdoor use resulting in inclusion into or onto a materials (e.g. binding agent in paints and coatings or adhesives).

This substance can be found in complex articles, with no release intended: vehicles and machinery, mechanical appliances and electrical/electronic products (e.g. computers, cameras, lamps, refrigerators, washing machines). This substance can be found in products with material based on: plastic (e.g. food packaging and storage, toys, mobile phones), fabrics, textiles and apparel (e.g. clothing, mattress, curtains or carpets, textile toys) and rubber (e.g. tyres, shoes, toys).

### Widespread uses by professional workers

This substance is used in the following products: adhesives and sealants, coating products, fillers, putties, plasters, modelling clay and polymers. This substance has an industrial use resulting in manufacture of another substance (use of intermediates).

This substance is used in the following areas: mining, formulation of mixtures and/or re-packaging and building & construction work. This substance is used for the manufacture of: plastic products.

This substance is used in the following activities or processes at workplace: transfer of chemicals, closed processes with no likelihood of exposure, closed, continuous processes with occasional controlled exposure, non-industrial spraying, closed batch processing in synthesis or formulation, batch processing in synthesis or formulation with opportunity for exposure, mixing in open batch processes, roller or brushing applications, treatment of articles by dipping and pouring, hand mixing with intimate contact only with personal protective equipment available, manual maintenance (cleaning and repair) of machinery, transfer of substance into small containers, calendaring operations, production of mixtures or articles by tableting, compression, extrusion or pelletisation and laboratory work.

Release to the environment of this substance can occur from industrial use: formulation of mixtures, formulation in materials and as processing aid. Other release to the environment of this substance is likely to occur from: indoor use (e.g. machine wash liquids/detergents, automotive care products, paints and coating or adhesives, fragrances and air fresheners), outdoor use and indoor use in close systems with minimal release (e.g. cooling liquids in refrigerators, oil-based electric heaters).

### Formulation or re-packing

This substance is used in the following products: polymers, adhesives and sealants, coating products, fillers, putties, plasters, modelling clay and pH regulators and water treatment products. This substance has an industrial use resulting in manufacture of another substance (use of intermediates).

This substance is used in the following activities or processes at workplace: transfer of chemicals, closed processes with no likelihood of exposure, closed, continuous processes with occasional controlled exposure, closed batch processing in synthesis or formulation, transfer of substance into small containers, batch processing in synthesis or formulation with opportunity for exposure, mixing in open batch processes, laboratory work, production of mixtures or articles by tableting, compression, extrusion or pelletisation, calendaring operations, industrial spraying, roller or brushing applications, treatment of articles by dipping and pouring, the low energy manipulation of substances bound in materials or articles and manual maintenance (cleaning and repair) of machinery.

Release to the environment of this substance can occur from industrial use: formulation of mixtures, formulation in materials, in processing aids at industrial sites, in the production of articles, as an intermediate step in further manufacturing of another substance (use of intermediates), as processing aid and as processing aid.

### Uses at industrial sites

This substance is used in the following products: polymers, pH regulators and water treatment products, adhesives and sealants, coating products and fillers, putties, plasters, modelling clay. This substance has an industrial use resulting in manufacture of another substance (use of intermediates).

This substance is used in the following areas: mining, building & construction work, formulation of mixtures and/or re-packaging and scientific research and development. This substance is used for the manufacture of: plastic products, chemicals and furniture.

This substance is used in the following activities or processes at workplace: transfer of chemicals, closed processes with no likelihood of exposure, closed, continuous processes with occasional controlled exposure, closed batch processing in synthesis or formulation, batch processing in synthesis or formulation with opportunity for exposure, mixing in open batch processes, production of mixtures or articles by tableting, compression, extrusion or pelletisation, treatment of articles by dipping and pouring, laboratory work, calendaring operations, industrial spraying, transfer of substance into small containers, roller or brushing applications, manual maintenance (cleaning and repair) of machinery and the low energy manipulation of substances bound in materials or articles.

Release to the environment of this substance can occur from industrial use: in processing aids at industrial sites, as processing aid, as processing aid, in the production of articles, formulation of mixtures, formulation in materials and as an intermediate step in further manufacturing of another substance (use of intermediates).

### Manufacture

ECHA has no public registered data on the use of this substance in activities or processes at the workplace.

ECHA has no public registered data on the routes by which this substance is most likely to be released to the environment.

### Precautionary Measures and safe use

Precautions for using this substance have been recommended by its registrants under REACH, as follows:

#### Prevention statements

When handling this substance: avoid release to the environment; wear protective gloves and/or clothing, and eye and/or face protection as specified by manufacturer/supplier; avoid breathing the dust, fume, gas, mist, vapours or spray.

#### Response statements

In case of incident: If exposed or concerned: get medical advice/attention. If on skin (or hair): take off immediately all contaminated clothing. Rinse skin with water or shower. If in eyes: rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

#### Disposal statements

The substance must be disposed in accordance with local/regional/national/international regulation.

Guidance on the safe use of the substance provided by manufacturers and importers of this substance.

### Registrants/suppliers

#### Active

- Evonik Operations GmbH, Rellinghauser Straße 1-11 45128 Essen Germany
- Galata Chemicals GmbH, Chemiestrasse 22 68623 Lampertheim 06 Germany
- REACHLaw Ltd., Vänrikinkuja 3 JK 21 FI-02600 ESPOO Helsinki Finland
- Reaxis BV, Siriusdreef 17 - 27 2132 WT Hoofddorp Netherlands
- Schill+Seilacher "Struktol" GmbH Hamburg, Moorfleeter Straße 28 22113 Hamburg Germany
- Shekoy Chemicals Europe B.V., Kromme Spieringweg 431 2141 AH Vijfhuizen Netherlands
- TIB Chemicals AG, Muelheimer Str. 16-22 68219 Mannheim Germany
- Umicore Specialty Materials Brugge, Kleine Pathoekeweg 82 8000 Brugge Belgium

#### Inactive

- DOW BENELUX B.V., Postbus 48 4530 AA Terneuzen Netherlands
- DOW BENELUX B.V. OR-3, Postbus 48 4530 AA Terneuzen Netherlands

## Substance names and other identifiers

### Regulatory process names

Tin bis(2-ethylhexanoate) EC Inventory, REACH pre-registration, Other

### Translated names

### CAS names

Hexanoic acid, 2-ethyl-, tin(2+) salt (2:1) Other

### IUPAC names

2-ethylhexanoate; tin(+2) cation C&L Inventory  
 2-ethylhexanoate; tin(2+) C&L Inventory  
 2-ethylhexanoate; tin(2+) Other  
 Bis(2-ethylhexanoate) di stagno C&L Inventory  
 Hexanoic acid, 2-ethyl-, tin(2+) salt C&L Inventory  
 Hexanoic acid, 2-ethyl-, tin(2[plus]) salt C&L Inventory

### Trade names

2-Ethylhexanoic acid, tin(II) salt Registration dossier  
 Bis(2-ethylhexanoate)tin Registration dossier  
 Ethylhexanoic acid tin(2+) salt Registration dossier  
 FASCAT 2003 CATALYST C&L Inventory  
 Hexanoic acid, 2-ethyl, tin salt Registration dossier  
 Metatin(TM) Catalyst S-26 Registration dossier

### Other names

### Other identifiers

301-10-0 CAS number EC Inventory, C&L Inventory, Registration dossier, REACH pre-registration, Other

Hexanoic acid, 2-ethyl-, tin(2+) salt C&L Inventory  
 Stannous 2-ethylhexanoate C&L Inventory  
 Stannous Hexanoate C&L Inventory  
 Stannous octoate Registration dossier  
 tin(2+) bis(2-ethylhexanoate) Registration dossier, Other  
 Tin(II) 2-Ethylhexanoate C&L Inventory  
 Tin(II) octoate C&L Inventory

Stannous ethylhexanoate Registration dossier  
 Stannous-2-ethyl hexanoate Registration dossier  
 Tin 2-ethylhexanoate Registration dossier  
 Tin II octoate Registration dossier  
 Tin(II) bis(2-ethylhexanoate) Registration dossier  
 Tin(II) ethylhexanoate Registration dossier





75831-41-3 CAS number Other

## Scientific properties





### Physical and chemical properties

This section provides physicochemical information compiled from all automatically processable data from REACH registration dossiers that is available to ECHA at the time of generation. The quality and correctness of the information remains the responsibility of the data submitter. The Agency thus cannot guarantee the correctness of the information displayed.







## Appearance/physical state / colour

Study results	1 study submitted 1 study processed	Type of Study provided	<input checked="" type="checkbox"/> Summaries	1 summary submitted 1 summary processed
<hr/>				
<input checked="" type="checkbox"/> Physical state at 20°C and 1013 hPa		Studies with data	Data waiving	Physical state at 20°C and 1013 hPa
Liquid (100%) [1]		   	no waivers	Liquid (100%)
<hr/>				
<input checked="" type="checkbox"/> Form		Key study		
Viscous (100%) [1]		1		
<hr/>				
<input checked="" type="checkbox"/> Odour				
Other (100%) [1]				
<hr/>				
<input checked="" type="checkbox"/> Substance type				
Organometallic (100%) [1]				





## Melting/freezing point

Study results	1 study submitted 1 study processed	Type of Study provided	<input checked="" type="checkbox"/> Summaries	1 summary submitted 1 summary processed
<hr/>				
<input checked="" type="checkbox"/> Melting / freezing point		Studies with data	Data waiving	Melting / freezing point at 101 325 Pa
9 °C @ 101.3 kPa [1]		   	no waivers	9 °C
<hr/>				
		Key study		
		1		





## Boiling point

Study results	1 study submitted 0 studies processed	Type of Study provided	Summaries	1 summary submitted 0 summaries processed
<hr/>				
 No automatically processable data submitted		Studies with data	Data waiving	 No automatically processable data submitted
		   	Other	
<hr/>				
			1	

## Density

Study results	1 study submitted 1 study processed	Type of Study provided	<input checked="" type="checkbox"/> Summaries	1 summary submitted 1 summary processed
<hr/>				
<input checked="" type="checkbox"/> Relative density		Studies with data	Data waiving	Relative density at 20°C
1.26 @ 20 °C [1]		   	no waivers	1.26
<hr/>				
		Key study		
		1		

## Vapour pressure

Study results	1 study submitted 1 study processed	Type of Study provided	<input checked="" type="checkbox"/> Summaries	1 summary submitted 1 summary processed
<hr/>				
<input checked="" type="checkbox"/> Vapour pressure		Studies with data	Data waiving	Vapour pressure
0.3 Pa @ 25 °C [1]		   	no waivers	0.3 Pa @ 20 °C
<hr/>				
		Key study		
		1		

## Partition coefficient

Study results

2 studies submitted  
0 studies processed

Type of Study provided

**R** Summaries

1 summary submitted  
1 summary processed

**⚠** No automatically processable data submitted

Studies with data



Data waiving

Other 1

Log Kow (Log Pow)

2.64 @ 25 °C

Supporting study

1

## Water solubility

Study results

3 studies submitted  
1 study processed

Type of Study provided

**R** Summaries

1 summary submitted  
1 summary processed

**R** Water solubility (mass/vol.)

238 - 4 585 mg/L @ 20 °C and pH 4 - 9 [3]

Studies with data



Data waiving

no waivers

Water solubility

4.5 g/L @ 20 °C

Key study

1

Supporting study

2

Solubility in organic solvents / fat solubility

**⚠** Data not provided by the registrant

## Surface tension

Study results

1 study submitted  
1 study processed

Type of Study provided

**R** Summaries

1 summary submitted  
1 summary processed

**R** Surface tension

55.9 mN/m @ 1 g/L and 20.5 °C [1]

Studies with data



Data waiving

no waivers

Surface tension at 20 °C

55.9 mN/m @ 1 mg/L

Key study

1

## Flash point

Study results

1 study submitted  
1 study processed

Type of Study provided

**R** Summaries

1 summary submitted  
1 summary processed

**R** Flash point

137 °C @ 101.3 kPa [1]

Studies with data



Data waiving

no waivers

Flash point at 101 325 Pa

137 °C

Key study

1

## Auto flammability

Study results

1 study submitted  
1 study processed

Type of Study provided

**R** Summaries

1 summary submitted  
1 summary processed

**R** Autoflammability / self-ignition

400 °C @ 101.05 - 101.11 kPa [1]

Studies with data



Data waiving

no waivers

Autoflammability / self-ignition at 101 325 Pa

400 °C

Key study

1

## Flammability

Study results

1 study submitted  
1 study processed

Type of Study provided

**C** Summaries

1 summary submitted  
1 summary processed

**C** Interpretation of results

Non flammable (100%) [1]

Studies with data



Data waiving

no waivers

Flammability

Non flammable (100%)

Key study

1

## Explosiveness

Study results

1 study submitted  
0 studies processed

Type of Study provided

**C** Summaries

1 summary submitted  
1 summary processed

**⚠** No automatically processable data submitted

Studies  
with data



Data waiving

Other 1

Explosiveness

Non-explosive (100%)

## Oxidising

Study results

1 study submitted  
0 studies processed

Type of Study provided

**C** Summaries

1 summary submitted  
1 summary processed

**⚠** No automatically processable data submitted

Studies  
with data



Data waiving

no waivers

Oxidising

No (100%)

Key study

1

Oxidation reduction potential

**⚠** Data not provided by the registrant

pH

**⚠** Data not provided by the registrant

## Dissociation constant

Study results

1 study submitted  
1 study processed

Type of Study provided

**R** Summaries

1 summary submitted  
1 summary processed

**C** Dissociating properties

Yes (100%) [1]

**R** Dissociation constant

5.09 @ 20 °C [1]

Studies  
with data



Data waiving

no waivers

pKa at 20 °C

5.09

Key study

1

## Viscosity

Study results

1 study submitted  
1 study processed

Type of Study provided

**R** Summaries

1 summary submitted  
1 summary processed

**R** kinematic viscosity (in mm<sup>2</sup>/s)

88.6 - 306 [2]

Studies  
with data



Data waiving

no waivers

Static viscosity at 20 °C

306 mm<sup>2</sup>/s

Key study

1

## Environmental fate and pathways

This section provides environmental fate and pathways information compiled from all automatically processable data from REACH registration dossiers that is available to ECHA at the time of generation. The quality and correctness of the information remains the responsibility of the data submitter. The Agency thus cannot guarantee the correctness of the information displayed.

## Phototransformation in air

Study results

1 study submitted  
0 studies processed

Type of Study provided

**R** Summaries

1 summary submitted  
1 summary processed

**⚠** No automatically processable data submitted

Studies  
with data



Data waiving

no waivers

Half life in air

38.9 h

Supporting  
study

1



## Hydrolysis

Study results

1 study submitted  
0 studies processed

Type of Study provided

Summaries

1 summary submitted  
0 summaries processed

⚠ Study data not processed for brief profile

Studies  
with data



Data waiving

Other

1

⚠ No automatically processable data submitted

Phototransformation in water

⚠ Data not provided by the registrant

Phototransformation in soil

⚠ Data not provided by the registrant

## Biodegradation in water - screening tests

Study results

4 studies submitted  
2 studies processed

Type of Study provided

**C** Summaries

1 summary submitted  
1 summary processed

**C** Interpretation of results

Readily biodegradable (100%) [2]

Studies  
with data



Data waiving

Other

1

Biodegradation in water

Readily biodegradable (100%)

Key study	1	1		
Supporting study		1		

## Biodegradation in water & sediment - simulation tests

Study results

0 studies submitted  
0 studies processed

Type of Study provided

Summaries

1 summary submitted  
0 summaries processed

⚠ Study data not processed for brief profile

Studies  
with data



Data waiving

no waivers

⚠ No automatically processable data submitted

## Biodegradation in soil

Study results

1 study submitted  
0 studies processed

Type of Study provided

Summaries

1 summary submitted  
0 summaries processed

⚠ Study data not processed for brief profile

Studies  
with data



Data waiving

Other

1

⚠ No automatically processable data submitted

## Bioaccumulation: aquatic / sediment

Study results

1 study submitted  
0 studies processed

Type of Study provided

Summaries

1 summary submitted  
0 summaries processed

⚠ Study data not processed for brief profile

Studies  
with data



Data waiving

Other

1

⚠ No automatically processable data submitted

Bioaccumulation: terrestrial

⚠ Data not provided by the registrant

## Adsorption/desorption

Study results	2 studies submitted 0 studies processed	Type of Study provided	<b>R</b> Summaries	1 summary submitted 1 summary processed
⚠ No automatically processable data submitted		<b>Studies with data</b> <div> <div> </div> <div>Other</div> <div>1</div> </div>	<b>Data waiving</b> Other <div>1</div>	<b>Koc at 20°C</b> 41.3

Henry's law constant (H)

⚠ Data not provided by the registrant

Distribution modelling

⚠ Data not provided by the registrant

## Ecotoxicological information

This section provides ecotoxicological information compiled from all automatically processable data from REACH registration dossiers that is available to ECHA at the time of generation. The quality and correctness of the information remains the responsibility of the data submitter. The Agency thus cannot guarantee the correctness of the information displayed.

### Predicted No-Effect Concentration (PNEC)

<b>R</b> Summaries	1 summary submitted 1 summary processed
<p>The Predicted No-Effect Concentration (PNEC) value is the concentration of a substance below which adverse effects in the environment are not expected to occur. Please note that when more than one summary is provided, PNEC values may refer to constituents of the substance and not to the substance as a whole. More detailed information is available in the dossiers.</p>	
<b>Hazard for Aquatic Organisms</b>	<b>Hazard for Air</b>
Freshwater	6.9 µg/L (1)
Intermittent releases (freshwater)	69 µg/L (1)
Marine water	690 ng/L (1)
Intermittent releases (marine water)	-
Sewage treatment plant (STP)	6.5 mg/L (1)
Sediment (freshwater)	53 µg/kg sediment dw (1)
Sediment (marine water)	5 µg/kg sediment dw (1)
	<b>Hazard for Terrestrial Organism</b>
	Soil
	6 µg/kg soil dw (1)
	<b>Hazard for Predators</b>
	Secondary poisoning
	No potential for bioaccumulation (1)

### Short-term toxicity to fish

Study results	1 study submitted 1 study processed	Type of Study provided	Summaries	1 summary submitted 0 summaries processed
<b>P/R</b> Results LC50 (4 days) 116 mg/L [1] NOEC (4 days) 68 mg/L [1]		<b>Studies with data</b> <div> <div> </div> <div>Key study</div> <div>1</div> </div>	<b>Data waiving</b> no waivers	⚠ No automatically processable data submitted

### Long-term toxicity to fish

Study results	1 study submitted 0 studies processed	Type of Study provided	Summaries	1 summary submitted 0 summaries processed
⚠ No automatically processable data submitted		<b>Studies with data</b> <div> <div> </div> <div>Exposure cons.</div> <div>1</div> </div>	<b>Data waiving</b> Exposure cons. <div>1</div>	⚠ No automatically processable data submitted

### Short-term toxicity to aquatic invertebrates

Study results	1 study submitted 1 study processed	Type of Study provided	Summaries	1 summary submitted 0 summaries processed
<div>P/R Results</div> <div>EC50 (48 h) 100 mg/L [1]</div> <div>EC50 (24 h) 100 mg/L [1]</div> <div>NOEC (48 h) 100 mg/L [1]</div>		<div>Studies with data</div> <div>Key study 1</div>	<div>Data waiving</div> <div>no waivers</div>	<div>⚠ No automatically processable data submitted</div>

### Long-term toxicity to aquatic invertebrates

Study results	1 study submitted 0 studies processed	Type of Study provided	Summaries	1 summary submitted 0 summaries processed
<div>⚠ No automatically processable data submitted</div>		<div>Studies with data</div> <div>Key study 1</div>	<div>Data waiving</div> <div>Exposure cons. 1</div>	<div>⚠ No automatically processable data submitted</div>

### Toxicity to aquatic algae and cyanobacteria

Study results	1 study submitted 1 study processed	Type of Study provided	R Summaries	1 summary submitted 1 summary processed
<div>P/R Results</div> <div>EC50 (72 h) 6.9 mg/L [1]</div> <div>NOEC (72 h) 220 - 540 µg/L [2]</div>		<div>Studies with data</div> <div>Key study 1</div>	<div>Data waiving</div> <div>no waivers</div>	<div>EC50 for freshwater algae</div> <div>6.9 mg/L</div> <div>EC10 or NOEC for freshwater algae</div> <div>540 µg/L</div>

### Toxicity to aquatic plants other than algae

⚠ Data not provided by the registrant

### Toxicity to microorganisms

Study results	2 studies submitted 0 studies processed	Type of Study provided	Summaries	1 summary submitted 0 summaries processed
<div>⚠ No automatically processable data submitted</div>		<div>Studies with data</div> <div>Supporting study 1</div>	<div>Data waiving</div> <div>Other 1</div>	<div>⚠ No automatically processable data submitted</div>





### Sediment toxicity

Study results	1 study submitted 0 studies processed	Type of Study provided	Summaries	1 summary submitted 0 summaries processed
<div>⚠ No automatically processable data submitted</div>		<div>Studies with data</div> <div>Exposure cons. 1</div>	<div>Data waiving</div> <div>Exposure cons. 1</div>	<div>⚠ No automatically processable data submitted</div>





### Endocrine disrupter testing in aquatic vertebrates – in vivo

⚠ Data not provided by the registrant





### Toxicity to terrestrial macroorganisms except arthropods

Study results	1 study submitted 0 studies processed	Type of Study provided	Summaries	1 summary submitted 0 summaries processed
⚠ No automatically processable data submitted		<b>Studies with data</b>    	<b>Data waiving</b> Exposure cons.	⚠ No automatically processable data submitted
			1	





### Toxicity to terrestrial arthropods

Study results	1 study submitted 0 studies processed	Type of Study provided	Summaries	1 summary submitted 0 summaries processed
⚠ No automatically processable data submitted		<b>Studies with data</b>    	<b>Data waiving</b> Exposure cons.	⚠ No automatically processable data submitted
			1	





### Toxicity to terrestrial plants

Study results	1 study submitted 0 studies processed	Type of Study provided	Summaries	1 summary submitted 0 summaries processed
⚠ No automatically processable data submitted		<b>Studies with data</b>    	<b>Data waiving</b> Exposure cons.	⚠ No automatically processable data submitted
			1	

### Toxicity to soil microorganisms

Study results	1 study submitted 0 studies processed	Type of Study provided	Summaries	1 summary submitted 0 summaries processed
⚠ No automatically processable data submitted		<b>Studies with data</b>    	<b>Data waiving</b> Exposure cons.	⚠ No automatically processable data submitted
			1	

### Toxicity to birds

Study results	1 study submitted 0 studies processed	Type of Study provided	Summaries	1 summary submitted 0 summaries processed
⚠ No automatically processable data submitted		<b>Studies with data</b>    	<b>Data waiving</b> Other	⚠ No automatically processable data submitted
			1	

### Toxicity to mammals

⚠ Data not provided by the registrant

## Toxicological information

This section provides toxicological information compiled from all automatically processable data from REACH registration dossiers that is available to ECHA at the time of generation. The quality and correctness of the information remains the responsibility of the data submitter. The Agency thus cannot guarantee the correctness of the information displayed.

## Derived No- or Minimal Effect Level (DN(M)EL)

M/C Summaries

1 summary submitted  
1 summary processed

The derived no- or minimum effect level (DN(M)EL) is the level of exposure above which a human should not be exposed to a substance. Please note that when more than one summary is provided, DN(M)EL values may refer to constituents of the substance and not to the substance as a whole. More detailed information is available in the dossiers.

### Data for WORKERS

INHALATION Exposure	Threshold	Most sensitive study
---------------------	-----------	----------------------

#### Systemic Effects

Long-term:	(DNEL) 8 mg/m <sup>3</sup>	developmental toxicity / teratogenicity
------------	----------------------------	---

Acute /short term:	No hazard identified	
--------------------	----------------------	--

#### Local Effects

Long-term:	No hazard identified	
------------	----------------------	--

Acute /short term:	No hazard identified	
--------------------	----------------------	--

DERMAL Exposure	Threshold	Most sensitive study
-----------------	-----------	----------------------

#### Systemic Effects

Long-term:	(Medium hazard (no threshold derived))	-
------------	--	---

Acute /short term:	(Medium hazard (no threshold derived))	-
--------------------	--	---

#### Local Effects

Long-term:	(Medium hazard (no threshold derived))	-
------------	--	---

Acute /short term:	(Medium hazard (no threshold derived))	-
--------------------	--	---

#### EYE Exposure

High hazard (no threshold derived)

### Data for the GENERAL POPULATION

INHALATION Exposure	Threshold	Most sensitive study
---------------------	-----------	----------------------

#### Systemic Effects

Long-term:	(DNEL) 4.8 mg/m <sup>3</sup>	developmental toxicity / teratogenicity
------------	------------------------------	---

Acute /short term:	No hazard identified	
--------------------	----------------------	--

#### Local Effects

Long-term:	No hazard identified	
------------	----------------------	--

Acute /short term:	No hazard identified	
--------------------	----------------------	--

DERMAL Exposure	Threshold	Most sensitive study
-----------------	-----------	----------------------

#### Systemic Effects

Long-term:	(Medium hazard (no threshold derived))	-
------------	--	---

Acute /short term:	(Medium hazard (no threshold derived))	-
--------------------	--	---

#### Local Effects

Long-term:	(Medium hazard (no threshold derived))	-
------------	--	---

Acute /short term:	(Medium hazard (no threshold derived))	-
--------------------	--	---

ORAL Exposure	Threshold	Most sensitive study
---------------	-----------	----------------------

#### Systemic Effects

Long-term:	(DNEL) 900 µg/kg bw/day	developmental toxicity / teratogenicity
------------	-------------------------	---

Acute /short term:	No hazard identified	
--------------------	----------------------	--

#### EYE Exposure

High hazard (no threshold derived)

Toxicokinetics, metabolism, and distribution

Study results

Study data: basic toxicokinetics 6 studies submitted  
0 studies processed

⚠ Study data not processed for brief profile

Type of Study provided

Study data: basic toxicokinetics

Studies  
with data

			
2	2		
Supporting study	2		

Data waiving

no waivers

M/C

Summaries

1 summary submitted  
1 summary processed

**Bioaccumulation potential:**  
Low bioaccumulation potential

Study data: dermal absorption 0 studies submitted  
0 studies processed

⚠ Study data not processed for brief profile

Study data: dermal absorption

Studies  
with data

Data waiving

no waivers

## Acute toxicity

### Study results

oral 2 studies submitted  
1 study processed

**P/R Results**  
LD50 5 870 mg/kg bw (rat) [1]

**M/C Interpretations of results**  
Practically nontoxic [1]

inhalation 1 study submitted  
0 studies processed

**⚠ No automatically processable data submitted**

dermal 2 studies submitted  
1 study processed

**P/R Results**  
LD50 2 000 mg/kg bw (rat) [1]

**M/C Interpretations of results**  
Not classified [1]

other routes 0 studies submitted  
0 studies processed

**⚠ No data available**

### Type of Study provided

oral

**Studies with data**     **Data waiving**  
no waivers

Key study	1
Supporting study	1

inhalation

**Studies with data**     **Data waiving**  
Other 1

dermal

**Studies with data**     **Data waiving**  
no waivers

Key study	1
Supporting study	1

other routes

**Studies with data**     **Data waiving**  
no waivers

### Summaries

1 summary submitted  
0 summaries processed

**⚠ No automatically processable data submitted**

## Irritation / corrosion

### Study results

Study data: skin 3 studies submitted  
0 studies processed





⚠ Study data not processed for brief profile

Study data: eye 5 studies submitted  
0 studies processed

⚠ Study data not processed for brief profile

### Type of Study provided

#### Study data: skin

Studies with data	   					Data waiving
	Key study	1				
Supporting study	1					Sci. unjustified 1

#### Study data: eye

Studies with data	   					Data waiving
	Key study	1				
Supporting study	2			1		Sci. unjustified 1

M/C Summaries

1 summary submitted  
1 summary processed

#### Skin

No adverse effect observed (not irritating)

#### Eye

Adverse effect observed (irreversible damage)

#### Respiratory

No study available

## Sensitisation

### Study results

Study data: skin 3 studies submitted  
0 studies processed



⚠ Study data not processed for brief profile

Study data: respiratory 0 studies submitted  
0 studies processed

⚠ Study data not processed for brief profile

### Type of Study provided

#### Study data: skin

Studies with data	   					Data waiving
	Key study	1				
Supporting study	1					Sci. unjustified 1

#### Study data: respiratory

Studies with data	   					Data waiving
						no waivers

M/C Summaries

1 summary submitted  
1 summary processed

#### Skin sensitisation

Adverse effect observed (sensitising)

#### Respiratory sensitisation

No study available



## Repeated dose toxicity

### Study results

Study data: oral 11 studies submitted  
4 studies processed

#### P/R Results

NOAEL (rat): 303 - 360 mg/kg bw/day [4]  
NOEL (rat): 71 - 187 mg/kg bw/day [4]  
NOEL (rat): 1 900 ppm [2]

### Type of Study provided

Study data: oral

#### Studies with data

Key study	2	2
Supporting study	1	6

#### Data waiving

no waivers

M/C

Summaries

1 summary submitted  
1 summary processed

#### Oral route - systemic effects:

Adverse effect observed NOAEL 300 mg/kg bw/day (subchronic, rat)

Study data: inhalation 1 study submitted  
0 studies processed

⚠ No automatically processable data submitted

Study data: inhalation

#### Studies with data

Other	1
-------	---

#### Data waiving

Other 1

Study data: dermal 1 study submitted  
0 studies processed

⚠ No automatically processable data submitted

Study data: dermal

#### Studies with data

Other	1
-------	---

#### Data waiving

Other 1

## Genetic toxicity

### Study results

Study data: in vitro 3 studies submitted  
0 studies processed

⚠ Study data not processed for brief profile

### Type of Study provided

Study data: in vitro

#### Studies with data

Key study	3
-----------	---

#### Data waiving

no waivers

M/C

Summaries

1 summary submitted  
1 summary processed

#### Toxicity - InVitro

No adverse effect observed (negative)

#### Toxicity - InVivo

No study available

Study data: in vivo 0 studies submitted  
0 studies processed

⚠ Study data not processed for brief profile

Study data: in vivo

#### Studies with data

Other	1
-------	---

#### Data waiving




no waivers

Carcinogenicity				
Study results	5 studies submitted 0 studies processed	Type of Study provided		Summaries 1 summary submitted 0 summaries processed
⚠ Study data not processed for brief profile		<div> <b>Studies with data</b> <div> <div></div> <div></div> <div></div> <div></div> </div> </div>		<b>Data waiving</b> no waivers
		Supporting study 3 2		⚠ No automatically processable data submitted

Toxicity to reproduction				
Study results		Type of Study provided		Summaries 1 summary submitted 0 summaries processed
Study data: reproduction 2 studies submitted 0 studies processed		Study data: reproduction		⚠ No automatically processable data submitted
⚠ Study data not processed for brief profile		<div> <b>Studies with data</b> <div> <div></div> <div></div> <div></div> <div></div> </div> </div>		<b>Data waiving</b> no waivers
		Key study 1 1		
Study data: developmental 8 studies submitted 0 studies processed		Study data: developmental		
⚠ Study data not processed for brief profile		<div> <b>Studies with data</b> <div> <div></div> <div></div> <div></div> <div></div> </div> </div>		<b>Data waiving</b> no waivers
		Key study 2 2		
		Supporting study 1 3		
Study data: other studies 0 studies submitted 0 studies processed		Study data: other studies		
⚠ Study data not processed for brief profile		<div> <b>Studies with data</b> <div> <div></div> <div></div> <div></div> <div></div> </div> </div>		<b>Data waiving</b> no waivers

Neurotoxicity	⚠ Data not provided by the registrant
Immunotoxicity	⚠ Data not provided by the registrant
Endocrine disrupter mammalian screening - in vivo	⚠ Data not provided by the registrant

Legend

Type of study	Type of aggregation
 Experimental results	<input type="checkbox"/> C Concatenated distinct values
Read across based on grouping of substance (category approach) or	<input type="checkbox"/> R Range of values
 Read-across from supporting substance (structural analogue or surrogate)	<input type="checkbox"/> P/R Prioritisation (Eco)Toxicology AND Range of values
 Estimated by calculation or (Q)SAR	<input type="checkbox"/> M/C Most Conservative of values
Experimental study planned, other or unspecified	

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**SCHEDA DI DATI DI SICUREZZA**

secondo il Regolamento (CE) Num. 1907/2006

Versione 6.1

Data di revisione 22.02.2019

Data di stampa 13.12.2019

**SEZIONE 1: identificazione della sostanza/miscela e della società/impresa****1.1 Identificatori del prodotto**

Nome del prodotto : Tin(II) 2-ethylhexanoate

Codice del prodotto : S3252

Marca : Aldrich

Num. REACH : Per questa sostanza non è disponibile un numero di registrazione in quanto la sostanza o i suoi usi sono esentati da registrazione, il tonnellaggio annuale non richiede registrazione oppure la registrazione è prevista ad una scadenza successiva.

N. CAS : 301-10-0

**1.2 Usi identificati pertinenti della sostanza o della miscela e usi sconsigliati**

Usi identificati : Chimici di laboratorio, Produzione di sostanze chimiche

**1.3 Informazioni sul fornitore della scheda di dati di sicurezza**Società : Merck Life Science S.r.l.  
Via Monte Rosa 93  
I-20149 MILANO

Telefono : +39 02 3341 7340

Fax : +39 02 3801 0737

Indirizzo e-mail : serviziotecnico@merckgroup.com

**1.4 Numero telefonico di emergenza**Telefono per le emergenze : 800-789-767 (CHEMTREC Italia)  
+39-02-4555-7031 (CHEMTREC chiamate internazionali)  
+39 02-6610-1029 (Centro Antiveleni Niguarda Ca' Granda - Milano)**SEZIONE 2: identificazione dei pericoli****2.1 Classificazione della sostanza o della miscela****Classificazione secondo il Regolamento (CE) n. 1272/2008**

Lesioni oculari gravi (Categoria 1), H318

Sensibilizzazione cutanea (Categoria 1), H317

Tossicità per la riproduzione (Categoria 2), H361

Pericolo a lungo termine (cronico) per l'ambiente acquatico (Categoria 3), H412

Per quanto riguarda il testo completo delle indicazioni di pericolo menzionate in questo paragrafo, riferirsi al paragrafo 16.

## 2.2 Elementi dell'etichetta

### Etichettatura secondo il Regolamento (CE) n. 1272/2008

Pittogramma



Avvertenza

Pericolo

Indicazioni di pericolo

H317

Può provocare una reazione allergica cutanea.

H318

Provoca gravi lesioni oculari.

H361

Sospettato di nuocere alla fertilità o al feto.

H412

Nocivo per gli organismi acquatici con effetti di lunga durata.

Consigli di prudenza

P201

Procurarsi istruzioni specifiche prima dell'uso.

P261

Evitare di respirare la polvere/ i fumi/ i gas/ la nebbia/ i vapori/ gli aerosol.

P273

Non disperdere nell'ambiente.

P280

Indossare guanti/ indumenti protettivi/ Proteggere gli occhi/ il viso.

P305 + P351 + P338 +

P310

IN CASO DI CONTATTO CON GLI OCCHI: sciacquare accuratamente per parecchi minuti. Togliere le eventuali lenti a contatto se è agevole farlo. Continuare a sciacquare. Contattare immediatamente un CENTRO ANTIVELENI/un medico.

P308 + P313

IN CASO di esposizione o di possibile esposizione, consultare un medico.

Descrizioni supplementari del rischio nessuno(a)

## 2.3 Altri pericoli

Questa sostanza/miscela non contiene componenti considerati sia persistenti, bioaccumulabili che tossici (PBT), oppure molto persistenti e molto bioaccumulabili (vPvB) a concentrazioni di 0.1% o superiori.

## SEZIONE 3: composizione/informazioni sugli ingredienti

### 3.1 Sostanze

Sinonimi : Stannous octoate  
Stannous 2-ethylhexanoate  
2-Ethylhexanoic acidtin(II) salt

Formula : C<sub>16</sub>H<sub>30</sub>O<sub>4</sub>Sn

Peso Molecolare : 405,12 g/mol

N. CAS : 301-10-0

N. CE : 206-108-6

Component	Classificazione	Concentrazione
<b>Tin(II) bis(2-ethylhexanoate)</b>		
	Eye Dam. 1; Skin Sens. 1; Repr. 2; Aquatic Chronic 3; H318, H317, H361, H412	<= 100 %

Per quanto riguarda il testo completo delle indicazioni di pericolo menzionate in questo paragrafo, riferirsi al paragrafo 16.

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## **SEZIONE 4: misure di primo soccorso**

### **4.1 Descrizione delle misure di primo soccorso**

#### **Informazione generale**

Consultare un medico. Mostrare questa scheda di sicurezza al medico curante.

#### **Se inalato**

Se viene respirato, trasportare la persona all'aria fresca. Se non respira, somministrare respirazione artificiale. Consultare un medico.

#### **In caso di contatto con la pelle**

Lavare con sapone e molta acqua. Consultare un medico.

#### **In caso di contatto con gli occhi**

Sciacquare accuratamente ed abbondantemente con acqua per almeno 15 minuti e rivolgersi ad un medico.

#### **Se ingerito**

Non somministrare alcunchè a persone svenute. Sciacquare la bocca con acqua. Consultare un medico.

### **4.2 Principali sintomi ed effetti, sia acuti che ritardati**

I più importanti sintomi ed effetti conosciuti sono descritti nella sezione 2.2 sull'etichettatura e/o nella sezione 11.

### **4.3 Indicazione dell'eventuale necessità di consultare immediatamente un medico e di trattamenti speciali**

Nessun dato disponibile

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## **SEZIONE 5: misure antincendio**

### **5.1 Mezzi di estinzione**

#### **Mezzi di estinzione idonei**

Utilizzare acqua nebulizzata, schiuma alcool resistente, prodotti chimici asciutti o anidride carbonica.

### **5.2 Pericoli speciali derivanti dalla sostanza o dalla miscela**

Ossidi di carbonio, stagno/ ossidi di stagno

### **5.3 Raccomandazioni per gli addetti all'estinzione degli incendi**

Se necessario, indossare un respiratore autonomo per spegnere l'incendio.

### **5.4 Ulteriori informazioni**

Nessun dato disponibile

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## **SEZIONE 6: misure in caso di rilascio accidentale**

### **6.1 Precauzioni personali, dispositivi di protezione e procedure in caso di emergenza**

Usare i dispositivi di protezione individuali. Evitare di respirare vapori/nebbia/gas. Prevedere una ventilazione adeguata. Evacuare il personale in aree di sicurezza. Vedere Sezione 8 per i dispositivi di protezione individuale.

## **6.2 Precauzioni ambientali**

Evitare sversamenti o perdite supplementari, se questo può essere fatto senza pericolo. Non lasciar penetrare il prodotto negli scarichi. La discarica nell'ambiente deve essere evitata.

## **6.3 Metodi e materiali per il contenimento e per la bonifica**

Impregnare con materiale assorbente inerte e smaltire come rifiuto (vedere SEZ. 13). Conservare in contenitori adatti e chiusi per lo smaltimento.

## **6.4 Riferimento ad altre sezioni**

Per lo smaltimento riferirsi alla sezione 13.

---

## **SEZIONE 7: manipolazione e immagazzinamento**

### **7.1 Precauzioni per la manipolazione sicura**

Evitare il contatto con gli occhi e con la pelle. Non inalare vapori o nebbie. Per le precauzioni vedere la sezione 2.2.

### **7.2 Condizioni per lo stoccaggio sicuro, comprese eventuali incompatibilità**

Tenere il contenitore ermeticamente chiuso in un ambiente secco e ben ventilato. Chiudere accuratamente i contenitori aperti e riporli in posizione verticale per evitare perdite. Immagazzinare in luogo fresco.

### **7.3 Usi finali particolari**

A parte gli usi descritti nella sezione 1.2 non sono contemplati altri usi specifici.

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## **SEZIONE 8: controllo dell'esposizione/protezione individuale**

### **8.1 Parametri di controllo**

#### **Componenti con limiti di esposizione**

### **8.2 Controlli dell'esposizione**

#### **Controlli tecnici idonei**

Manipolare rispettando le buone pratiche di igiene industriale e di sicurezza adeguate. Lavarsi le mani prima delle pause ed alla fine della giornata lavorativa.

#### **Protezione individuale**

##### **Protezioni per occhi/volto**

Occhiali di sicurezza ben aderenti. Visiera protettiva (minimo 20 cm). Utilizzare dispositivi per la protezione oculare testati e approvati secondo i requisiti di adeguate norme tecniche come NIOSH (USA) o EN 166 (EU)

##### **Protezione della pelle**

Manipolare con guanti. I guanti devono essere controllati prima di essere usati. Usare una tecnica adeguata per la rimozione dei guanti (senza toccare la superficie esterna del guanto) per evitare il contatto della pelle con questo prodotto. Smaltire i guanti contaminati dopo l'uso in accordo con la normativa vigente e le buone pratiche di laboratorio. Lavare e asciugare le mani.

I guanti di protezione selezionati devono soddisfare le esigenze della direttiva (UE) 2016/425 e gli standard EN 374 che ne derivano.

Pieno contatto

Materiale: Gomma nitrilica

spessore minimo: 0,11 mm

Tempo di permeazione: 480 min

Materiale testato: Dermatril® (KCL 740 / Aldrich Z677272, Taglia M)

Contatto da spruzzo

Materiale: Gomma nitrilica  
spessore minimo: 0,11 mm  
Tempo di permeazione: 480 min  
Materiale testato: Dermatril® (KCL 740 / Aldrich Z677272, Taglia M)

Fonte dei dati: KCL GmbH, D-36124 Eichenzell, tel. +49 (0)6659 87300, e-mail sales@kcl.de, metodo di prova: EN374

Se usato in soluzione, o mischiato con altre sostanze, e in condizioni diverse da quelle menzionate nella norma EN 374, contattare il fornitore di guanti approvati dalla CE. Questa raccomandazione vale a titolo di consiglio e dev'essere valutata da un igienista industriale e da un responsabile della sicurezza al corrente della situazione specifica dell'uso previsto dai nostri clienti. Non si deve interpretare come un'approvazione di uno specifico scenario di esposizione.

#### **Protezione fisica**

Indumenti protettivi completi resistenti alle sostanze chimiche, Il tipo di attrezzatura di protezione deve essere selezionato in funzione della concentrazione e la quantità di sostanza pericolosa al posto di lavoro.

#### **Protezione respiratoria**

Qualora la valutazione del rischio preveda la necessità di respiratori ad aria purificata, utilizzare una maschera a pieno facciale con filtri combinati di tipo ABEK (EN 14387) come supporto alle misure tecniche. Se il respiratore costituisce il solo mezzo di protezione, utilizzare un sistema ventilato a pieno facciale. Utilizzare respiratori e componenti testati e approvati dai competenti organismi di normazione, quali il NIOSH (USA) il CEN (UE).

#### **Controllo dell'esposizione ambientale**

Evitare sversamenti o perdite supplementari, se questo può essere fatto senza pericolo. Non lasciar penetrare il prodotto negli scarichi. La discarica nell'ambiente deve essere evitata.

---

## **SEZIONE 9: proprietà fisiche e chimiche**

### **9.1 Informazioni sulle proprietà fisiche e chimiche fondamentali**

a) Aspetto	Stato fisico: liquido viscoso Colore: giallo chiaro
b) Odore	Nessun dato disponibile
c) Soglia olfattiva	Nessun dato disponibile
d) pH	Nessun dato disponibile
e) Punto di fusione/punto di congelamento	Punto/intervallo di fusione: 9 °C a 1.013,0 hPa - Linee Guida 102 per il Test dell'OECD
f) Punto di ebollizione iniziale e intervallo di ebollizione.	Nessun dato disponibile
g) Punto di infiammabilità	113 °C - vaso chiuso
h) Velocità di evaporazione	Nessun dato disponibile
i) Infiammabilità (solidi, gas)	Il prodotto non è infiammabile. - Proprietà piroforiche di solidi e liquidi



j)	Infiammabilità superiore/inferiore o limiti di esplosività	Nessun dato disponibile
k)	Tensione di vapore	Nessun dato disponibile
l)	Densità di vapore	Nessun dato disponibile
m)	Densità relativa	1,251 g/cm <sup>3</sup> a 25 °C
n)	Idrosolubilità	4,585 g/l a 20 °C - Linee Guida 105 per il Test dell'OECD - solubile
o)	Coefficiente di ripartizione: n-octanolo/acqua	Nessun dato disponibile
p)	Temperatura di autoaccensione	> 400 °C a 1010,50 - 1011,10 hPa
q)	Temperatura di decomposizione	Nessun dato disponibile
r)	Viscosità	ca.306 mm <sup>2</sup> /s a 20 °C -
s)	Proprietà esplosive	Nessun dato disponibile
t)	Proprietà ossidanti	Nessun dato disponibile

## 9.2 Altre informazioni sulla sicurezza

Tensione superficiale 55,9 mN/m a 20,5 °C

Costante di dissociazione 5,09 a 20 °C

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## SEZIONE 10: stabilità e reattività

### 10.1 Reattività

Nessun dato disponibile

### 10.2 Stabilità chimica

Stabile nelle condizioni di stoccaggio raccomandate.

### 10.3 Possibilità di reazioni pericolose

Nessun dato disponibile

### 10.4 Condizioni da evitare

Nessun dato disponibile

### 10.5 Materiali incompatibili

Agenti ossidanti forti

### 10.6 Prodotti di decomposizione pericolosi

Prodotti di decomposizione pericolosi in caso d'incendio. - Ossidi di carbonio, stagno/ ossidi di stagno

Altre prodotti di decomposizione pericolosi - Nessun dato disponibile

In caso di incendio: vedere la sezione 5

---

## SEZIONE 11: informazioni tossicologiche

### 11.1 Informazioni sugli effetti tossicologici

#### **Tossicità acuta**

DL50 Orale - Ratto - maschio - 5.870 mg/kg

DL50 Dermico - Su coniglio - > 2.000 mg/kg

Osservazioni: Il contatto prolungato con la pelle può causare irritazione e/o dermatiti.

#### **Corrosione/irritazione cutanea**

Pelle - Su coniglio

Risultato: Leggera irritazione della pelle - 24 h

#### **Lesioni oculari gravi/irritazioni oculari gravi**

Occhi - Su coniglio

Risultato: Grave irritazione agli occhi

(Linee Guida 405 per il Test dell'OECD)

#### **Sensibilizzazione respiratoria o cutanea**

Maximisation Test - Porcellino d'India

Risultato: Può provocare sensibilizzazione per contatto con la pelle.

(Linee Guida 406 per il Test dell'OECD)

#### **Mutagenicità delle cellule germinali**

Test di ames

S. typhimurium

Risultato: negativo

#### **Cancerogenicità**

IARC: Nessun componente di questo prodotto presente a livelli maggiori o uguali allo 0.1% è identificato come cancerogeno conosciuto o previsto dallo IARC.

#### **Tossicità riproduttiva**

Nessun dato disponibile

Sospetto tossico per la riproduzione umana

#### **Tossicità specifica per organi bersaglio - esposizione singola**

Nessun dato disponibile

#### **Tossicità specifica per organi bersaglio - esposizione ripetuta**

Nessun dato disponibile

#### **Pericolo in caso di aspirazione**

Nessun dato disponibile

#### **ulteriori informazioni**

Tossicità a dose ripetuta - Ratto - Orale - Nessun livello di nocività osservato - 250 mg/kg

RTECS: MO7870000

Al meglio della nostra conoscenza, le proprietà chimiche, fisiche e tossicologiche non sono state oggetto di studi approfonditi.

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## SEZIONE 12: informazioni ecologiche

### 12.1 Tossicità

Tossicità per i pesci      Prova semistatica CL50 - *Oncorhynchus mykiss* (Trota iridea) - > 116 mg/l - 96 h  
(Linee Guida 203 per il Test dell'OECD)

Tossicità per le alghe CE50 - Pseudokirchneriella subcapitata (alghe cloroficee) - 6,9 mg/l  
- 72 h  
(OECD TG 201)

#### **12.2 Persistenza e degradabilità**

Nessun dato disponibile

#### **12.3 Potenziale di bioaccumulo**

Nessun dato disponibile

#### **12.4 Mobilità nel suolo**

Nessun dato disponibile

#### **12.5 Risultati della valutazione PBT e vPvB**

Questa sostanza/miscela non contiene componenti considerati sia persistenti, bioaccumulabili che tossici (PBT), oppure molto persistenti e molto bioaccumulabili (vPvB) a concentrazioni di 0.1% o superiori.

#### **12.6 Altri effetti avversi**

Nocivo per gli organismi acquatici con effetti di lunga durata.

Nessun dato disponibile

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### **SEZIONE 13: considerazioni sullo smaltimento**

#### **13.1 Metodi di trattamento dei rifiuti**

##### **Prodotto**

Conferire le soluzioni non riciclabili e le eccedenze ad una società di smaltimento rifiuti autorizzata. I rifiuti vanno smaltiti in conformità alla Direttiva 2008/98/CE e ai regolamenti applicabili nazionali e locali.

Lasciare i prodotti chimici nei contenitori originali. Non mischiare con altri rifiuti.

Trattare i contenitori contaminati allo stesso modo del prodotto.

##### **Contenitori contaminati**

Smaltire come prodotto inutilizzato.

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### **SEZIONE 14: informazioni sul trasporto**

#### **14.1 Numero ONU**

ADR/RID: -

IMDG: -

IATA: -

#### **14.2 Nome di spedizione dell'ONU**

ADR/RID: Merci non pericolose

IMDG: Not dangerous goods

IATA: Not dangerous goods

#### **14.3 Classi di pericolo connesso al trasporto**

ADR/RID: -

IMDG: -

IATA: -

#### **14.4 Gruppo d'imballaggio**

ADR/RID: -

IMDG: -

IATA: -

#### **14.5 Pericoli per l'ambiente**

ADR/RID: no

IMDG Inquinante marino: no

IATA: no

#### **14.6 Precauzioni speciali per gli utilizzatori**

Nessun dato disponibile

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## **SEZIONE 15: informazioni sulla regolamentazione**

### **15.1 Disposizioni legislative e regolamentari su salute, sicurezza e ambiente specifiche per la sostanza o la miscela**

Questa scheda di sicurezza rispetta le prescrizioni del Regolamento (CE) Num. 1907/2006.

### **15.2 Valutazione della sicurezza chimica**

Per questo prodotto non è stata effettuata una valutazione della sicurezza chimica.

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## **SEZIONE 16: altre informazioni**

### **Testo completo delle indicazioni di pericolo (H) citate alle sezioni 2 - 3.**

H317	Può provocare una reazione allergica cutanea.
H318	Provoca gravi lesioni oculari.
H361	Sospettato di nuocere alla fertilità o al feto.
H412	Nocivo per gli organismi acquatici con effetti di lunga durata.

### **Ulteriori informazioni**

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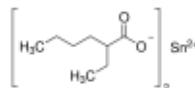
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## Certificate of Analysis

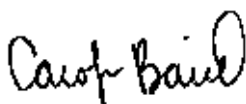
Product Name:

Tin(II) 2-ethylhexanoate - 92.5-100.0%

**Product Number:** S3252  
**Batch Number:** SLCD5893  
**Brand:** ALDRICH  
**CAS Number:** 301-10-0  
**MDL Number:** MFCD00002676  
**Formula:** C<sub>16</sub>H<sub>30</sub>O<sub>4</sub>Sn  
**Formula Weight:** 405.12 g/mol  
**Quality Release Date:** 03 OCT 2019  
**Recommended Retest Date:** MAR 2021



Test	Specification	Result
Appearance (Color)	Colorless to Yellow	Faint Yellow
Appearance (Form)	Liquid	Liquid
Appearance (Turbidity)	Clear to Slightly Hazy	Clear
Sodium (Na)	≤ 0.5 %	< 0.2 %
% Purity (Titration)	92.5 - 100.0	99.0
Based on Stannous Sn content.		



Carolyn Baird, Supervisor  
Quality Assurance  
St. Louis, Missouri US

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