

Safety Data Sheet
STANNOUS OCTOATE

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1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

Chemical Name TIN-2-ETHYLHEXANOATE
CAS NO. 301-10-0

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

1. Stannous 2-Ethylhexanoate is used as urethane curing catalyst.
2. Stannous 2-Ethylhexanoate is used as polymerization catalyst for polyurethane, silicone, and other polymers.
3. Stannous 2-Ethylhexanoate is used as crosslinking agent during production of rigid, semi-rigid, and flexible polyurethane foams.

Details of the supplier of the safety data sheet

COMPANY

POLYMER ADD (THAILAND) CO., LTD.
106, Chalaremprakiat, Lor 9, Soi 22, Yak
5, Nongbon, Prawet, Bangkok
Bangkok - 10250
Thailand
Telephone : 0804531391
Email - contact@polymeradd.co.th

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Human Health Moderate respiratory irritant.

2.2 Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram



Signal word

Danger

H317	May cause an allergic skin reaction.
H318	Causes serious eye damage
H361	Suspected of damaging fertility or the unborn child.
H412	Harmful to aquatic life with long lasting effects
P201	Obtain special instructions before use.
P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P305 + P351 + P338 + P310	IF IN EYES: Rinse cautiously with water for several minutes.

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P308 + P313

IF exposed or concerned: Get medical advice/attention

According to European Directive 67/548/EEC as amended

none

Hazard symbol(s)



2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Component	Stannous 2-ethylhexanoate
Chemical Name	TIN-2-ETHYLHEXANOATE
CAS NO	301-10-0
EC Number	206-108-6
Molecular Formula	C16H30O4Sn
Molecular Weight	405,12 g/mol
Concentration	<= 100 %

4 FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Seek medical advice.

If breathing has stopped or is labored, give assisted respirations.

If inhaled

If breathing has stopped or is labored, give assisted respirations.

Supplemental oxygen may be indicated.

If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.

In case of skin contact

Wash off immediately with plenty of water for at least 20 minutes.

Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay.

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In case of eye contact

Rinse immediately with plenty of water also under the eyelids for at least 20 minutes.

If swallowed

Never give anything by mouth to an unconscious person.
If a person vomits when lying on his back, place him in the recovery position.
Prevent aspiration of vomit.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture

Incomplete combustion may form carbon monoxide.

5.3 Advice for firefighters

Use personal protective equipment.

5.4 Further information

No data available

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions protective equipment and emergency procedures

Use self-contained breathing apparatus and chemically protective clothing.
Wear suitable protective clothing, gloves and eye/face protection.
Evacuate personnel to safe areas.

6.2 Environmental precautions

Construct a dike to prevent spreading

6.3 Methods and materials for containment and cleaning up

Approach suspected leak areas with caution.
Contact Air Products' Emergency Response Center for advice.
Place in appropriate chemical waste container.

6.4 Reference to other sections

Open enclosed spaces to outside atmosphere.

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7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Emergency showers and eye wash stations should be readily accessible.

7.2 Information about protection against explosions and fires

7.3 Conditions for safe storage including any incompatibilities

Keep away from direct sunlight. Exposure may cause material to degrade. Store under a nitrogen atmosphere.

Keep containers tightly closed in a dry, cool and well-ventilated place.

Minimize exposure to air.

7.4 Specific end use(s)

No data available

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Appropriate engineering controls

Provide readily accessible eye wash stations and safety showers.

Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.

Eye/face protection

Chemical resistant goggles must be worn.

Hands protection

Nitrile rubber.

Skin protection

Long sleeve shirts and trousers without cuffs.

Body Protection

Long sleeve shirts and trousers without cuffs.

Respiratory protection

Wear appropriate respirator when ventilation is inadequate

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9 PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance	light yellow liquid
f) Initial boiling point and boiling range	> 392 °F (> 200 °C)
g) Flash point	> 137.78 °C
k) Vapour pressure	< 5.00 mmHg at 70 °F (21 °C)
l) Vapour density	78.035 lb/ft ³ (1.25 g/cm ³) at 70 °F (21 °C)
m) Relative density	1.25
n) Water solubility	Insoluble.

9.2 Other safety information

10 STABILITY AND REACTIVITY

10.1 Reactivity	
10.2 Chemical stability	Stable under normal conditions
10.3 Possibility of hazardous reactions	
10.4 Conditions to avoid	Exposure to sunlight.
10.5 Incompatible materials	Oxidizing agents.
10.6 Hazardous decomposition products	Carbon monoxide.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Inhalation toxicity	No data is available on the product itself
Acute dermal toxicity	LD50 : > 2,000 mg/kg Species : Rabbit. Method : Estimated.
Skin corrosion/irritation	Moderate skin irritation.
Serious eye damage/eye irritation	Moderate eye irritation.
Respiratory or skin sensitization	May cause sensitization by skin contact.
Ingestion	LD50 : 3,400 mg/kg Species : Rat.
Eyes	No data available
RTECS	MO7870000

12 ECOLOGICAL INFORMATION

12.1 Toxicity	No data is available on the product itself.
Toxicity to fish	LC50 : 111 mg/l Species : Fish. LC50 (96 h) : > 116 mg/l Species : Rainbow trout (Oncorhynchus mykiss).

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Toxicity to daphnia and other aquatic invertebrates

EC50 : 60 mg/l Species : Daphnia magna.

Toxicity to Algae/Aquatic plants

ErC50 (72 h) : 6.9 mg/l Species : Algae

Toxicity to microorganisms

No data available.

12.2 Persistence and degradability

Biodegradation

No data is available on the product itself.

12.3 Bio accumulative potential

No data is available on the product itself.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Contact supplier if guidance is required

Contaminated packaging

Dispose of container and unused contents in accordance with federal, state, and local requirements

14 TRANSPORT INFORMATION

14.1 UN number

ADR/RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.2 UN proper shipping name

ADR/RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.4 Packaging group

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ADR/RID	IMDG	IATA
Not dangerous goods	Not dangerous goods	Not dangerous goods

14.5 **Environmental hazards**

ADR/RID	IMDG Marine pollutant	IATA
No	No	No

14.6 Special precautions for user No data available

15 **REGULATORY INFORMATION**

15.1 **Safety health and environmental regulations/legislation specific for the substance or mixture**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 **Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

16 **OTHER INFORMATION**

Month of Creation	April 2021
Month of Revision	April 2024