

Material Safety Data Sheet

according to ANSI Z400.1-2004

PE2I tin Precursor

Print date: 10.07.2012

Product code: 4165

Page 1 of 5

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

Product identifier

PE2I tin Precursor

Further trade names

CA index name: 8-Azabicyclo[3.2.1]octane-2-carboxylic acid, 3-(4-methylphenyl)-8-[(2E)-3-(tributylstannyl)-2-propen-1-yl]-, methyl ester, (1R,2S,3S,5S)-

Synonyms: N-[3-(Tri-n-butylstannyl)prop-(2E)-enyl]-2b-carbomethoxy-3b-(4'-methylphenyl)nortropane; [¹²⁹I]PE2I Precursor

Chemical characterization (substance)

CAS No.: 188680-65-1

Details of the supplier of the safety data sheet

Company name: ABX advanced biochemical compounds
Biomedizinische Forschungsreagenzien GmbH
Street: Heinrich-Gläserstraße 10-14
Place: D-01454 Radeberg
Telephone: +49 3528 4041 60 Telefax: +49 3528 4041 65
e-mail: info@abx.de
Contact person: Dr. Jan Mollitor Telephone: +49 3528 4041 718
e-mail: mollitor@abx.de
Internet: http://www.abx.de

Emergency telephone: +49 3528 4041 60

SECTION 2: Hazards identification

Route(s) of Entry

Signs and Symptoms of Exposure

Carcinogenicity (NTP):

Carcinogenicity (IARC):

Carcinogenicity (OSHA):

SECTION 3: Composition/information on ingredients

Substances

Sum formula: C31H51NO2Sn
Molecular weight: 588,45

Hazardous components

CAS No.	Components	Quantity
188680-65-1	PE2I tin Precursor	95 - 100 %

SECTION 4: First aid measures

Description of first aid measures

Material Safety Data Sheet

according to ANSI Z400.1-2004

PE2I tin Precursor

Print date: 10.07.2012

Product code: 4165

Page 2 of 5

General information

First aid assistant: Pay attention to self-protection!

After inhalation

No mouth-to-mouth or mouth-to-nose resuscitation. Use respiratory bag or oxygen resuscitation apparatus. Immediately get medical attention. Provide fresh air. In case of breathing difficulties administer oxygen. In all cases of doubt, or when symptoms persist, seek medical advice.

After contact with skin

Medical treatment necessary. After contact with skin, wash immediately with: Water. Change contaminated clothing. Seek medical advice.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink large quantities of water. Medical treatment necessary.

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

Suitable extinguishing media: Water spray. Foam. Extinguishing powder. Carbon dioxide (CO₂).

Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon dioxide (CO₂). Carbon monoxide. Nitrogen oxides (NO_x).

Advice for firefighters

Wear a self-contained breathing apparatus and chemical resistant suit. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Additional information

Use a water spray jet to knock down vapours/gases/mists. Contaminated fire-fighting water must be collected separately. Do not empty into drains or the aquatic environment.

SECTION 6: Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Avoid generation of dust. Do not breathe dust. Avoid contact with skin, eye and clothing. Wear personal protection equipment.

Environmental precautions

Do not empty into drains or the aquatic environment.

Methods and material for containment and cleaning up

Collect mechanically. Treat the assimilated material according to the section on waste disposal. Avoid generation of dust. Clear contaminated area thoroughly.

SECTION 7: Handling and storage**Precautions for safe handling****Advice on safe handling**

In case of open handling equipment with built-in suction must be used. Do not breathe dust.

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container dry. Keep locked up. Store in a place accessible only to authorized persons. Keep container tightly closed in a cool, well-ventilated place. Restrict access to stockrooms.

Further information on storage conditions

storage temperature:

Material Safety Data Sheet

according to ANSI Z400.1-2004

PE2I tin Precursor

Print date: 10.07.2012

Product code: 4165

Page 3 of 5

of °C:-25

up to °C:-15

Store under (Gas): argon. Nitrogen.

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure controls

Occupational exposure controls

In case of open handling equipment with built-in suction must be used. Do not breathe dust.

Protective and hygiene measures

Take off immediately all contaminated clothing. Protect skin by using skin protective cream. After work, wash hands and face. Do not eat, drink, smoke or sneeze at the workplace.

Respiratory protection

In case of open handling equipment with built-in suction must be used. Do not breathe dust.

Hand protection

Tested protective gloves are to be worn: Single-use gloves. NBR (Nitrile rubber).

Eye protection

Eye protection: Tightly sealed safety glasses.

Skin protection

Skin protection: Lab apron. Chemical resistant safety shoes.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Form:

liquid

Color:

colourless

Test method

Changes in the physical state

Water solubility:

insoluble

Solubility in other solvents:

Ethanol. chloroform Dichloromethane: diethyl ether ethyl acetate.

SECTION 10: Stability and reactivity

Stability:

Possibility of Hazardous Reactions:

Incompatible materials

Water. Oxidizing agents, strong.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Toxic. Acute toxicity, oral. Acute toxicity, inhalant. Acute toxicity, dermal.

Irritation and corrosivity

Irritating to eyes. After skin contact: irritant.

Severe effects after repeated or prolonged exposure

Danger of serious damage to health by prolonged exposure.

Empirical data on effects on humans

The classification was undertaken in accordance with the calculation method governed by the

Material Safety Data Sheet

according to ANSI Z400.1-2004

PE2I tin Precursor

Print date: 10.07.2012

Product code: 4165

Page 4 of 5

Preparations Directive (1999/45/EC).

Further information

Additional information:

SECTION 12: Ecological information

Toxicity

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Further information

Do not allow uncontrolled leakage of product into the environment.

SECTION 13: Disposal considerations

Waste treatment methods

Advice on disposal

Do not empty into drains or the aquatic environment. Waste disposal according to official state regulations.

Contaminated packaging

Cleaned containers may be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

<u>UN number:</u>	2788
<u>UN proper shipping name:</u>	ORGANOTIN COMPOUND, LIQUID, N.O.S. ((Tributylstannyl)nortropane derivate)
<u>Transport hazard class(es):</u>	6.1
<u>Packing group:</u>	II
Hazard label:	6.1
Classification Code:	T3
Limited quantity:	LQ18
Hazard-no.:	60
Tunnel restriction code:	D/E

Inland waterways transport

<u>UN number:</u>	2788
<u>UN proper shipping name:</u>	ORGANOTIN COMPOUND, LIQUID, N.O.S. ((Tributylstannyl)nortropane derivate)
<u>Transport hazard class(es):</u>	6.1
<u>Packing group:</u>	II
Hazard label:	6.1

Marine transport

<u>UN number:</u>	2788
<u>UN proper shipping name:</u>	ORGANOTIN COMPOUND, LIQUID, N.O.S. ((Tributylstannyl)nortropane derivate)
<u>Transport hazard class(es):</u>	6.1
<u>Packing group:</u>	II
Hazard label:	6.1
Marine pollutant:	yes

Material Safety Data Sheet

according to ANSI Z400.1-2004

PE2I tin Precursor

Print date: 10.07.2012

Product code: 4165

Page 5 of 5

Air transport

<u>UN/ID number:</u>	2788
<u>UN proper shipping name:</u>	ORGANOTIN COMPOUND, LIQUID, N.O.S. ((Tributylstannyl)nortropane derivate)
<u>Transport hazard class(es):</u>	6.1
<u>Packing group:</u>	II
Hazard label:	6.1
Limited quantity Passenger:	1kg
IATA-packing instructions - Passenger:	614
IATA-max. quantity - Passenger:	25kg
IATA-packing instructions - Cargo:	616
IATA-max. quantity - Cargo:	100kg

Environmental hazards

Dangerous for the environment: yes

Other applicable information

UN No.: 2788

SECTION 15: Regulatory information**U.S. Regulations****SECTION 16: Other information**