

Safety Data Sheet

according to UK REACH Regulation

TBS-CNS 1261

Revision date: 16.06.2022

Product code: 7030

Page 1 of 6

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

TBS-CNS 1261

Further trade names

Guanidine, N-methyl-N'-1-naphthalenyl-N-[3-(tributylstannyl)phenyl]-

Synonyms:

N-(1-Naphthyl)-N'-[3-(tributylstannyl)phenyl]-N'-methylguanidine

CAS No: 765890-24-2

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Precursor for [*]CNS 1261

1.3. Details of the supplier of the safety data sheet

| | | |
|-----------------|---|-------------------------------|
| Company name: | ABX advanced biochemical compounds | |
| | Biomedizinische Forschungsreagenzien GmbH | |
| Street: | Heinrich-Gläser-Straße 10-14 | |
| Place: | 01454 Radeberg | |
| Telephone: | +49 3528 4041 60 | Telefax: +49 3528 4041 65 |
| e-mail: | info@abx.de | |
| Contact person: | Dr. Christoph Meyer | Telephone: +49 3528 4041 8732 |
| e-mail: | meyer@abx.de | |
| Internet: | http://www.abx.de | |

1.4. Emergency telephone number:

+49 3528 4041 60

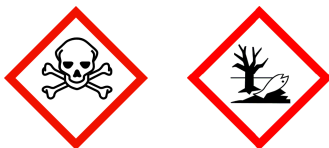
SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****GB CLP Regulation**

Acute Tox. 3; H301
 Acute Tox. 4; H312
 Skin Irrit. 2; H315
 Eye Irrit. 2; H319
 Aquatic Chronic 1; H410

Full text of hazard statements: see SECTION 16.

2.2. Label elements**GB CLP Regulation****Hazard components for labelling**

TBS-CNS 1261

Signal word: Danger**Pictograms:****Hazard statements**

| | |
|------|-------------------------------|
| H301 | Toxic if swallowed. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |

Safety Data Sheet

according to UK REACH Regulation

TBS-CNS 1261

Revision date: 16.06.2022

Product code: 7030

Page 2 of 6

H319 Causes serious eye irritation.
 H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 3: Composition/information on ingredients**3.1. Substances****Chemical characterization**

Guanidine, N-methyl-N'-1-naphthalenyl-N-[3-(tributylstannyl)phenyl]-

Sum formula: C30H43N3Sn

Molecular weight: 564.39

Hazardous components

| CAS No | Chemical name | | | Quantity |
|-------------|--|----------|----------|--------------|
| | EC No | Index No | REACH No | |
| | Classification (GB CLP Regulation) | | | |
| 765890-24-2 | TBS-CNS 1261 | | | 95 - < 100 % |
| | Acute Tox. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 1; H301 H312 H315 H319 H410 | | | |

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Chemical name | Quantity |
|-------------|-------|---|--------------|
| | | Specific Conc. Limits, M-factors and ATE | |
| 765890-24-2 | | TBS-CNS 1261 | 95 - < 100 % |
| | | dermal: ATE = 1100 mg/kg; oral: ATE = 100 mg/kg | |

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

First aider: Pay attention to self-protection!

After inhalation

No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator. Call a physician immediately.
 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

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.

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

Safety Data Sheet

according to UK REACH Regulation

TBS-CNS 1261

Revision date: 16.06.2022

Product code: 7030

Page 3 of 6

Suitable extinguishing mediaSuitable extinguishing media: Water spray. Foam. Extinguishing powder. Carbon dioxide (CO₂).**5.2. Special hazards arising from the substance or mixture**In case of fire may be liberated: Carbon dioxide (CO₂). Carbon monoxide Nitrogen oxides (NO_x).**5.3. Advice for firefighters**

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

Additional information

Suppress gases/vapours/mists with water spray jet. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Provide adequate ventilation. Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up**Other information**

Take up mechanically. Avoid dust formation.

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

Clear contaminated areas thoroughly.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used.

Advice on general occupational hygiene

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

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

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

Further information on storage conditions

storage temperature:

of °C: -25

up to °C: -15

Store under (Gas): argon. Nitrogen.

Protect against: Light.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Additional advice on limit values**

To date, no national critical limit values exist.

8.2. Exposure controls

Safety Data Sheet

according to UK REACH Regulation

TBS-CNS 1261

Revision date: 16.06.2022

Product code: 7030

Page 4 of 6

Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used.

Individual protection measures, such as personal protective equipment**Respiratory protection**

If handled uncovered, arrangements with local exhaust ventilation have to be used.

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

Physical state: solid; viscous
Colour: colourless; light grey

Changes in the physical state

Water solubility: The study does not need to be conducted
because the substance is known to be
insoluble in water.

Solubility in other solvents

Chloroform

SECTION 10: Stability and reactivity**10.4. Conditions to avoid**

Light.

10.5. Incompatible materials

Water. Oxidizing agents, strong.

10.6. Hazardous decomposition productsCarbon monoxide. Carbon dioxide. Nitrogen oxides (NO_x).**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in GB CLP Regulation****Acute toxicity**

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

| CAS No | Chemical name | | | | |
|-------------|----------------|-------------------|---------|--------|--------|
| | Exposure route | Dose | Species | Source | Method |
| 765890-24-2 | TBS-CNS 1261 | | | | |
| | oral | ATE 100 mg/kg | | | |
| | dermal | ATE 1100 mg/kg | | | |

SECTION 12: Ecological information**12.1. Toxicity**

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

12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of UK REACH.

12.6. Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms.

Further information

Do not allow uncontrolled discharge of product into the environment.

Safety Data Sheet

according to UK REACH Regulation

TBS-CNS 1261

Revision date: 16.06.2022

Product code: 7030

Page 5 of 6

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

List of Wastes Code - residues/unused products

160508 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; discarded organic chemicals consisting of or containing hazardous substances; hazardous waste

List of Wastes Code - used product

160508 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; discarded organic chemicals consisting of or containing hazardous substances; hazardous waste

Contaminated packaging

Non-contaminated packages may be recycled.

SECTION 14: Transport information**Land transport (ADR/RID)**

| | |
|--|--|
| 14.1. UN number or ID number: | UN 3146 |
| 14.2. UN proper shipping name: | ORGANOTIN COMPOUND, SOLID, N.O.S (contains N-(1-Naphthyl)-N'-[3-(tributylstannyl)phenyl]-N'-methylguanidine) |
| 14.3. Transport hazard class(es): | 6.1 |
| 14.4. Packing group: | III |
| Hazard label: | 6.1 |

Inland waterways transport (ADN)

| | |
|--|--|
| 14.1. UN number or ID number: | UN 3146 |
| 14.2. UN proper shipping name: | ORGANOTIN COMPOUND, SOLID, N.O.S (contains N-(1-Naphthyl)-N'-[3-(tributylstannyl)phenyl]-N'-methylguanidine) |
| 14.3. Transport hazard class(es): | 6.1 |
| 14.4. Packing group: | III |
| Hazard label: | 6.1 |

Marine transport (IMDG)

| | |
|--|--|
| 14.1. UN number or ID number: | UN 3146 |
| 14.2. UN proper shipping name: | ORGANOTIN COMPOUND, SOLID, N.O.S (contains N-(1-Naphthyl)-N'-[3-(tributylstannyl)phenyl]-N'-methylguanidine) |
| 14.3. Transport hazard class(es): | 6.1 |
| 14.4. Packing group: | III |
| Hazard label: | 6.1 |

Air transport (ICAO-TI/IATA-DGR)

| | |
|--|--|
| 14.1. UN number or ID number: | UN 3146 |
| 14.2. UN proper shipping name: | ORGANOTIN COMPOUND, SOLID, N.O.S (contains N-(1-Naphthyl)-N'-[3-(tributylstannyl)phenyl]-N'-methylguanidine) |
| 14.3. Transport hazard class(es): | 6.1 |
| 14.4. Packing group: | III |
| Hazard label: | 6.1 |

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

Water hazard class (D): 3 - highly hazardous to water

Safety Data Sheet

according to UK REACH Regulation

TBS-CNS 1261

Revision date: 16.06.2022

Product code: 7030

Page 6 of 6

SECTION 16: Other information**Relevant H and EUH statements (number and full text)**

| | |
|------|---|
| H301 | Toxic if swallowed. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H410 | Very toxic to aquatic life with long lasting effects. |