

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Product No: BCMI-002

Trade name: TBTA-Ligand

7.0

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Revision date: 14.02.2023

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

1.1. Product identifiers

Product Name: TBTA-Ligand

Formal Name: Tris[(1-benzyl-1H-1,2,3-triazol-4-yl)methyl]amine

Product Number: BCMI-002

CAS-Nr.: 510758-28-8

Index No.: not available

EC No: not available

REACH No: not available

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

Identified uses:

Laboratory chemical, for research and development only

1.3. Details of the supplier of the safety data sheet

baseclick GmbH

Floriansbogen 2-4

82061 Neuried

Germany

Telephone: +49 89 9699 3401

Fax: +49 9699 4696

E-mail: support@baseclick.eu

1.4. Emergency telephone number

+49 89 9699 3401 (Working days Germany 09:00 AM – 05:00 PM CET)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

This substance does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

2.2. Label elements

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

Labelling according to Regulation (EC) No 1272/2008 (CLP)

not required

2.3. Other hazards

No data available

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SECTION 3: Composition/information on ingredients

3.1 Substance(s)

Formula: $C_{30}H_{30}N_{10}$

MW: 530.63 g/mol

Purity: $\geq 95\%$ (HPLC)

Description: white coloured powder

CAS-No.: 510758-28-8

TLV units: Unknown

3.2 Mixtures

not relevant

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes:

Avoid all direct contact.

In case of contamination always contact physician.

If inhaled:

Move person into fresh air. If not breathing give artificial respiration.

In case of skin contact:

Wash off with soap and plenty of water.

In case of eye contact:

Flush thoroughly with water.

If swallowed:

Contact physician.

Never induce vomiting or give liquids to someone who is unconscious or cannot swallow.

Rinse mouth with water



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

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

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5.2 Special hazards arising from the substance or mixture

A finely divided dust aerosol may be explosive although the exact conditions of the hazard are unknown. Avoid dispersing dust.

Hazardous combustion products:

In case of fire may be liberated: nitrogen oxides (NO_x), carbon monoxide (CO), carbon dioxide (CO₂)

5.3 Advice for fire-fighters

Use material suitable and appropriate to surrounding fire conditions.

Wear self contained breathing apparatus for fire fighting if necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid all direct contact.

Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Protective gloves: Impermeable

Eye protection: Laboratory safety glasses

Other protective equipment: Normal laboratory apparel

6.2 Environmental precautions

Take precautions to ensure product does not enter the drainage system.

6.3 Methods and material for containment and cleaning up

Take up under dust avoidance. Keep in suitable, closed containers for disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Information for safe handling: Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. Avoid dust formation.

Information about fire: Not available

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles: No further requirements

Information about storage in one common storage facility: Not required

Further information about storage conditions: -20 °C.

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7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection Handling and storage

8.1 Control parameters

Additional information about design of technical facilities: No further requirements.

Ingredients with limit values that require monitoring in the workplace: No ingredients need monitoring.

8.2 Exposure controls



Personal protective equipment: The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Local exhaust is usually sufficient. A dust mask is recommended when a possibility of dust inhalation exists.

Protection of hands: Impermeable gloves

Eye protection: Laboratory safety glasses

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: powder

Colour: white

Odour: None

Odour threshold: No data available

pH (value): No data available

Melting point/freezing point: Melting point / range: 132 - 143 °C

Initial boiling point and boiling range: No data available

Flash point: No data available

Evaporation rate: No data available

Flammability (solid, gas): No data available

lower explosion limit (LEL): No data available

upper explosion limit (UEL): No data available

Explosion limits of dust clouds: No data available

Vapour pressure: No data available

Vapour density: No data available

Relative density: No data available

Water solubility (20 °C): No data available

Partition coefficient: n-octanol/water: log Pow: 4,754

Auto-ignition temperature: Not data available

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Decomposition temperature: No data available
Viscosity, flow time (23 °C): No data available
Viscosity, dynamic (mPas / 20 °C): No data available
Explosive properties: No data available
Oxidizing properties: No data available

9.2 Other information:

Solubility: DMSO

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Thermal decomposition/condition to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

Dangerous reactions: Avoid strong oxidizing agents.

10.4 Conditions to avoid

Dangerous decomposition: Hazardous decomposition products formed under fire conditions.
– Carbon oxides, nitrogen oxides (NOx).

10.5 Incompatible materials

Avoid strong oxidizing agents.

10.6 Hazardous decomposition products

Dangerous decomposition: Carbon oxides, Nitrogen oxides (NOx)

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Threshold limit value: No data available.

Overexposure effects: No data available.

Acute toxicity: No data available.

Primary irritant effect:

On the skin: May be harmful if absorbed through skin. May cause skin irritation.

On the eye: May cause eye irritation.

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion: May be harmful if swallowed.

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Additional toxicological information: Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. The preceding data, or interpretation of data, was determined using Quantitative Structure Activity Relationship (QSAR) modeling. This product should be handled with the usual care when dealing with chemicals.

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Process of degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB

12.6 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product:

Consult the appropriate local waste disposal expert about waste disposal.

Contaminated packaging:

see Product

SECTION 14: Transport information

14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

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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)

Land transport ADR/RID (cross-border)

ADR/RID class: Not a dangerous substance as defined in the regulations.

Maritime transport IMDG

IMDG class: Not a dangerous substance as defined in the regulations.

Maritime pollutant: No

Air transport ICAO-TI and IATA-DGR

ICAO/IATA class: Not a dangerous substance as defined in the regulations.

14.4 Packing group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

14.6 Special precautions for user

No data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

SECTION 15: Regulatory information

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

Labelling according to EU guidelines: This takes into account directive 67/548/EEC and 1999/45/EC

Hazard symbols: None

15.2 Chemical Safety Assessment

Note: The toxicological properties of this material have not yet been thoroughly investigated. Use prudent laboratory practices for handling chemical substances of unknown toxicity.

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SECTION 16: Other information

16.1 Further information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. It does not represent any guarantee of the accuracy, completeness or properties of the product. This material is intended for use by persons with pertinent technical skills and at their discretion and risk. It is the responsibility of the user to determine the product's suitability for its intended use, the product's safe use, and the product's proper disposal. Disposal of hazardous material may be subject to local laws or regulations. Baseclick GmbH shall not be held liable for any damage resulting from handling or from contact with the above product. Not for drug use! For R&D only!