

# Material Safety Data Sheet

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## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING

Commercial Product Name and ID-No.:

TBTA-Ligand – mi-C1102

Company: metabion international AG  
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82152 Planegg - Martinsried  
Telephone: +49-89-899363 0  
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Centre for detoxification:

## 2. CHEMICAL CHARACTERISATION / INFORMATION ON CONSTITUENTS

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

MW: 530.63 g/mol

Purity: > 97 %

Description: white to tan powder

Melting point: 132 - 143 °C

TLV units: Unknown

## 3. HAZARDS IDENTIFICATION

Hazardous description: This substance is not classified as dangerous according to Directive 67/548/EEC.

Information concerning particular hazards for human and environment: No data available

Classification system: None

## 4. FIRST AID MEASURES

Avoid all direct contact.

Always contact physician.

Inhalation: If breathed in, move person into fresh air. If not breathing give artificial respiration.

After contact with skin: Wash off with soap and plenty of water.

After contact with eyes: Flush thoroughly with water.

After ingestion: Contact physician.

Never induce vomiting or give liquids to someone who is unconscious or cannot swallow. Rinse mouth with water

## 5. FIRE-FIGHTING MEASURES

Prevention of fire and explosion: A finely divided dust aerosol may be explosive although the exact conditions of the hazard are unknown. Avoid dispersing dust.

Fire and explosion hazards: A finely divided dust aerosol may be explosive although the exact conditions of

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the hazard are unknown.

Flash Point: not available

Means of extinguishing: Use material suitable and appropriate to surrounding fire conditions.

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

Fire fighting procedures: Wear self contained breathing apparatus for fire fighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

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

Measures for environmental protection: Do not let product enter drains

Measures for cleaning/collection if a spill occurs: First sweep up the bulk of the material. Finish by wiping with a damp towel.

## 7. HANDLING AND STORAGE

### 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: No risk of explosion or fire

### Storage:

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: Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Store at -20 °C.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design of technical facilities: No further requirements

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

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

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form and color: powder, white

Odor: None

Melting point / range: 132 – 143 °C

Boiling point / range: Not available

Flash point: Not available

Self-igniting Not available

Danger of explosion: Not available

Solubility: DMSO

## 10. STABILITY AND REACTIVITY

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

Dangerous reactions: Avoid Oxidizing agents.

Dangerous decomposition: Hazardous decomposition products formed under fire conditions. – Carbon oxides, nitrogen oxides (NO<sub>x</sub>).

## 11. TOXICOLOGICAL INFORMATION

Threshold limit value: No data available.

Overexposure effects: No data available.

Acute toxicity: No data available.

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.

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.

## 12. ECOLOGICAL INFORMATION

General notes: No data available

## 13. DISPOSAL CONSIDERATIONS

### Product:

Recommendation: Dispose of as a special waste in compliance with official regulations.

### Unclean packaging:

Recommendation: Dispose of in compliance with official regulations.

Recommended cleaning agents: First sweep up the bulk of the material. Finish by wiping with a damp towel.

Waste disposal: Dispose of waste according to nature of waste solid, solution in solvent, others. Dispose of

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waste according to the local legislation.

## 14. TRANSPORT INFORMATION

### 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.

## 15. REGULATORY INFORMATION

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

Hazard symbols: None

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

## 16. OTHER INFORMATION

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