

## CAS-No.: 125700-67-6 MSDS

## MATERIAL SAFETY DATA SHEET (MSDS)

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

## 1.1. Product identifier

Product form : Substance  
 :  
 CAS-No. : 125700-67-6  
 Product code : 06205  
 Chemical structure :



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

## 1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial  
 For professional use only

## 1.2.2. Uses advised against

No additional information available

## 1.3. Details of the supplier of the safety data sheet

Labogens Fine Chem Industries  
 1st Floor , Above Bank of India, Guru Vihar , Rahon Road,  
 Ludhiana Pb. (141007)  
 +91 9316777775, +91 7707855700  
[sales@labogens.com](mailto:sales@labogens.com) - [www.Labogens.com](http://www.Labogens.com)

## 1.4. Emergency telephone number

Emergency number : +91 7707855700 (9:00am - 6:00 pm)

## SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

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

Flammable solids, H228  
 Category 1  
 Skin corrosion/irritation, H315  
 Category 2  
 Serious eye damage/eye irritation, Category 2 H319  
 Specific target organ toxicity — Single exposure, Category 3, H335

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Respiratory tract irritation

Full text of H statements : see section 16

### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xi; R36/37/38

Full text of R-phrases: see section 16

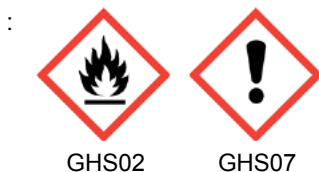
### Adverse physicochemical, human health and environmental effects

No additional information available

## 2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Hazard statements (CLP)

: H228 - Flammable solid.  
H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H335 - May cause respiratory irritation.

Precautionary statements (CLP)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

| Name               | Product identifier    | %   |
|--------------------|-----------------------|-----|
| TBTU For synthesis | (CAS-No.) 125700-67-6 | 100 |

Full text of R- and H-statements: see section 16

### 3.2. Mixtures

Not applicable

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- |                                       |                                                                                                                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice.                    |
| First-aid measures after skin contact | : Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.                                                                            |
| First-aid measures after eye contact  | : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion    | : Rinse mouth out with water. If you feel unwell, seek medical advice.                                                                                                           |

#### 4.2. Most important symptoms and effects, both acute and delayed

- |                                     |                                     |
|-------------------------------------|-------------------------------------|
| Symptoms/effects after inhalation   | : May cause respiratory irritation. |
| Symptoms/effects after skin contact | : Causes skin irritation.           |
| Symptoms/effects after eye contact  | : Causes serious eye irritation.    |

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- |                                |                                                                                   |
|--------------------------------|-----------------------------------------------------------------------------------|
| Suitable extinguishing media   | : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO <sub>2</sub> ). |
| Unsuitable extinguishing media | : Do not use extinguishing media containing water.                                |

#### 5.2. Special hazards arising from the substance or mixture

- |                  |                                          |
|------------------|------------------------------------------|
| Fire hazard      | : Flammable solid.                       |
| Explosion hazard | : Heating may cause a fire or explosion. |

#### 5.3. Advice for firefighters

- |                                |                                                                        |
|--------------------------------|------------------------------------------------------------------------|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. |
|--------------------------------|------------------------------------------------------------------------|

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

- |                      |                                     |
|----------------------|-------------------------------------|
| Emergency procedures | : Avoid contact with skin and eyes. |
|----------------------|-------------------------------------|

##### 6.1.2. For emergency responders

- |                      |                                                                       |
|----------------------|-----------------------------------------------------------------------|
| Protective equipment | : Use personal protective equipment as required. Breathing apparatus. |
| Emergency procedures | : Stop release.                                                       |

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

- |                         |                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------|
| Methods for cleaning up | : Clean up immediately by sweeping or vacuum. Clean contaminated surfaces with an excess of water. |
|-------------------------|----------------------------------------------------------------------------------------------------|

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- |                               |                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling | : Avoid contact with skin and eyes.                                                                                     |
| Hygiene measures              | : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. |

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### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Store in a well-ventilated place. Keep cool. Keep in fireproof place. Heat sources.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Hand protection : Protective gloves  
Eye protection : Chemical goggles or safety glasses  
Skin and body protection : Wear suitable protective clothing  
Respiratory protection : Wear respiratory protection.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Solid  
Molecular mass : 321.08 g/mol  
Colour : White powder.  
Odour : No data available  
Odour threshold : No data available  
pH : No data available  
Relative evaporation rate (butylacetate=1) : No data available  
Melting point : 205 °C  
Freezing point : No data available  
Boiling point : No data available  
Flash point : No data available  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Flammability (solid, gas) : No data available  
Vapour pressure : No data available  
Relative vapour density at 20 °C : No data available  
Relative density : No data available  
Solubility : No data available

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|                      |                     |
|----------------------|---------------------|
| Log Pow              | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic   | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits     | : No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Air contact. Direct sunlight. Moisture. Heat. Overheating.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : May cause respiratory irritation.

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

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### SECTION 12: Ecological information

#### 12.1. Toxicity

No additional information available

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

No additional information available

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

|               |        |
|---------------|--------|
| UN-No. (ADR)  | : 1325 |
| UN-No. (IMDG) | : 1325 |
| UN-No. (IATA) | : 1325 |
| UN-No. (ADN)  | : 1325 |
| UN-No. (RID)  | : 1325 |

#### 14.2. UN proper shipping name

|                                       |                                                          |
|---------------------------------------|----------------------------------------------------------|
| Proper Shipping Name (ADR)            | : FLAMMABLE SOLID, ORGANIC, N.O.S.                       |
| Proper Shipping Name (IMDG)           | : FLAMMABLE SOLID, ORGANIC, N.O.S.                       |
| Proper Shipping Name (IATA)           | : Flammable solid, organic, n.o.s.                       |
| Proper Shipping Name (ADN)            | : FLAMMABLE SOLID, ORGANIC, N.O.S.                       |
| Proper Shipping Name (RID)            | : FLAMMABLE SOLID, ORGANIC, N.O.S.                       |
| Transport document description (ADR)  | : UN 1325 FLAMMABLE SOLID, ORGANIC, N.O.S., 4.1, II, (E) |
| Transport document description (IMDG) | : UN 1325 FLAMMABLE SOLID, ORGANIC, N.O.S., 4.1, II      |
| Transport document description (IATA) | : UN 1325 Flammable solid, organic, n.o.s., 4.1, II      |
| Transport document description (ADN)  | : UN 1325 FLAMMABLE SOLID, ORGANIC, N.O.S., 4.1, II      |
| Transport document description (RID)  | : UN 1325 FLAMMABLE SOLID, ORGANIC, N.O.S., 4.1, II      |

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### 14.3. Transport hazard class(es)

**ADR**

Transport hazard class(es) (ADR) : 4.1  
Danger labels (ADR) : 4.1



**IMDG**

Transport hazard class(es) (IMDG) : 4.1  
Danger labels (IMDG) : 4.1



**IATA**

Transport hazard class(es) (IATA) : 4.1  
Hazard labels (IATA) : 4.1



**ADN**

Transport hazard class(es) (ADN) : 4.1  
Danger labels (ADN) : 4.1



**RID**

Transport hazard class(es) (RID) : 4.1  
Danger labels (RID) : 4.1



### 14.4. Packing group

Packing group (ADR) : II  
Packing group (IMDG) : II  
Packing group (IATA) : II  
Packing group (ADN) : II  
Packing group (RID) : II

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### 14.5. Environmental hazards

|                               |                                          |
|-------------------------------|------------------------------------------|
| Dangerous for the environment | : No                                     |
| Marine pollutant              | : No                                     |
| Other information             | : No supplementary information available |

### 14.6. Special precautions for user

#### - Overland transport

|                                                           |                                                                                       |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------|
| Classification code (ADR)                                 | : F1                                                                                  |
| Special provisions (ADR)                                  | : 274                                                                                 |
| Limited quantities (ADR)                                  | : 1kg                                                                                 |
| Excepted quantities (ADR)                                 | : E2                                                                                  |
| Packing instructions (ADR)                                | : P002, IBC08                                                                         |
| Special packing provisions (ADR)                          | : B4                                                                                  |
| Mixed packing provisions (ADR)                            | : MP10                                                                                |
| Portable tank and bulk container instructions (ADR)       | : T3                                                                                  |
| Portable tank and bulk container special provisions (ADR) | : TP33                                                                                |
| Tank code (ADR)                                           | : SGAN                                                                                |
| Vehicle for tank carriage                                 | : AT                                                                                  |
| Transport category (ADR)                                  | : 2                                                                                   |
| Special provisions for carriage - Packages (ADR)          | : V11                                                                                 |
| Hazard identification number (Kemler No.)                 | : 40                                                                                  |
| Orange plates                                             | :  |
| Tunnel restriction code (ADR)                             | : E                                                                                   |
| EAC code                                                  | : 1Z                                                                                  |

#### - Transport by sea

|                                 |            |
|---------------------------------|------------|
| Special provisions (IMDG)       | : 274, 915 |
| Limited quantities (IMDG)       | : 1 kg     |
| Excepted quantities (IMDG)      | : E2       |
| Packing instructions (IMDG)     | : P002     |
| IBC packing instructions (IMDG) | : IBC08    |
| IBC special provisions (IMDG)   | : B21, B4  |
| Tank instructions (IMDG)        | : T3       |
| Tank special provisions (IMDG)  | : TP33     |
| EmS-No. (Fire)                  | : F-A      |
| EmS-No. (Spillage)              | : S-G      |
| Stowage category (IMDG)         | : B        |

#### - Air transport

|                                              |        |
|----------------------------------------------|--------|
| PCA Excepted quantities (IATA)               | : E2   |
| PCA Limited quantities (IATA)                | : Y441 |
| PCA limited quantity max net quantity (IATA) | : 5kg  |
| PCA packing instructions (IATA)              | : 445  |
| PCA max net quantity (IATA)                  | : 15kg |
| CAO packing instructions (IATA)              | : 448  |
| CAO max net quantity (IATA)                  | : 50kg |

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|                           |            |
|---------------------------|------------|
| Special provisions (IATA) | : A3, A803 |
| ERG code (IATA)           | : 3L       |

### - Inland waterway transport

|                                   |        |
|-----------------------------------|--------|
| Classification code (ADN)         | : F1   |
| Special provisions (ADN)          | : 274  |
| Limited quantities (ADN)          | : 1 kg |
| Excepted quantities (ADN)         | : E2   |
| Equipment required (ADN)          | : PP   |
| Number of blue cones/lights (ADN) | : 1    |

### - Rail transport

|                                                           |               |
|-----------------------------------------------------------|---------------|
| Classification code (RID)                                 | : F1          |
| Special provisions (RID)                                  | : 274         |
| Excepted quantities (RID)                                 | : E2          |
| Packing instructions (RID)                                | : P002, IBC08 |
| Special packing provisions (RID)                          | : B4          |
| Mixed packing provisions (RID)                            | : MP10        |
| Portable tank and bulk container instructions (RID)       | : T3          |
| Portable tank and bulk container special provisions (RID) | : TP33        |
| Tank codes for RID tanks (RID)                            | : SGAN        |
| Transport category (RID)                                  | : 2           |
| Special provisions for carriage – Packages (RID)          | : W1          |
| Colis express (express parcels) (RID)                     | : CE10        |
| Hazard identification number (RID)                        | : 40          |

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

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

TBTU For synthesis is not on the REACH Candidate List

TBTU For synthesis is not on the REACH Annex XIV List

#### 15.1.2. National regulations

##### Germany

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

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NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

### Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Full text of R-, H- and EUH-statements:

|               |                                                                                            |
|---------------|--------------------------------------------------------------------------------------------|
| Eye Irrit. 2  | Serious eye damage/eye irritation, Category 2                                              |
| Flam. Sol. 1  | Flammable solids, Category 1                                                               |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2                                                      |
| STOT SE 3     | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H228          | Flammable solid.                                                                           |
| H315          | Causes skin irritation.                                                                    |
| H319          | Causes serious eye irritation.                                                             |
| H335          | May cause respiratory irritation.                                                          |
| R36/37/38     | Irritating to eyes, respiratory system and skin                                            |
| Xi            | Irritant                                                                                   |

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*