

# Safety Data Sheet

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## 1. PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifier

Product name : TBE Powder (1 L of 1×)

Catalog No. : HY-K1016

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

Identified uses : Laboratory chemicals, manufacture of substances.

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

Company: MedChemExpress USA

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: sales@medchemexpress.com

### 1.4 Emergency telephone number

Emergency Phone #: 609-228-6898

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

### 2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

### 2.3 Other hazards

None.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Chemical Name: TBE Powder (1 L of 1×)

CAS No.: /

Formula: /

Molecular Weight: /

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

#### Eye contact

Remove any contact lenses, locate eye-wash station, and flush eyes immediately with large amounts of water. Separate eyelids with fingers to ensure adequate flushing. Promptly call a physician.

#### Skin contact

Rinse skin thoroughly with large amounts of water. Remove contaminated clothing and shoes and call a physician.

Inhalation

Immediately relocate self or casualty to fresh air. If breathing is difficult, give cardiopulmonary resuscitation (CPR). Avoid mouth-to-mouth resuscitation.

Ingestion

Wash out mouth with water; Do NOT induce vomiting; call a physician.

#### **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.

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

Treat symptomatically.

### **5. FIRE FIGHTING MEASURES**

#### **5.1 Extinguishing media**

Suitable extinguishing media

Use water spray, dry chemical, foam, and carbon dioxide fire extinguisher.

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

During combustion, may emit irritant fumes.

#### **5.3 Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing.

### **6. ACCIDENTAL RELEASE MEASURES**

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

Use full personal protective equipment. Avoid breathing vapors, mist, dust or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Refer to protective measures listed in sections 8.

#### **6.2 Environmental precautions**

Try to prevent further leakage or spillage. Keep the product away from drains or water courses.

#### **6.3 Methods and materials for containment and cleaning up**

Absorb solutions with finely-powdered liquid-binding material (diatomite, universal binders); Decontaminate surfaces and equipment by scrubbing with alcohol; Dispose of contaminated material according to Section 13.

### **7. HANDLING AND STORAGE**

#### **7.1 Precautions for safe handling**

Avoid inhalation, contact with eyes and skin. Avoid dust and aerosol formation. Use only in areas with appropriate exhaust ventilation.

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

Keep container tightly sealed in cool, well-ventilated area.

Keep away from direct sunlight and sources of ignition.

Recommended storage temperature: Store at room temperature 3 years

#### **7.3 Specific end use(s)**

No data available.

### **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### **8.1 Control parameters**

Components with workplace control parameters

This product contains no substances with occupational exposure limit values.

## 8.2 Exposure controls

Engineering controls

Ensure adequate ventilation. Provide accessible safety shower and eye wash station.

Personal protective equipment

|                                 |  |
|---------------------------------|--|
| Eye protection                  | Safety goggles with side-shields.  |
| Hand protection                 | Protective gloves.   |
| Skin and body protection        | Impervious clothing.   |
| Respiratory protection          | Suitable respirator.   |
| Environmental exposure controls | Keep the product away from drains, water courses or the soil. Clean spillages in a safe way as soon as possible. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

|  |                           |
|--|---------------------------|
| Appearance                                   | White or off-white powder |
| Odor   | No data available         |
| Odor threshold                               | No data available         |
| pH   | No data available         |
| Melting/freezing point                       | No data available         |
| Boiling point/range                          | No data available         |
| Flash point                                  | No data available         |
| Evaporation rate                             | No data available         |
| Flammability (solid, gas)                    | No data available         |
| Upper/lower flammability or explosive limits | No data available         |
| Vapor pressure                               | No data available         |
| Vapor density                                | No data available         |
| Relative density                             | No data available         |
| Water Solubility                             | No data available         |
| Partition coefficient                        | No data available         |
| Auto-ignition temperature                    | No data available         |
| Decomposition temperature                    | No data available         |
| Viscosity                                    | No data available         |
| Explosive properties                         | No data available         |
| Oxidizing properties                         | No data available         |

### 9.2 Other safety information

No data available.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No data available.

#### **10.4 Conditions to avoid**

No data available.

#### **10.5 Incompatible materials**

Strong acids/alkalis, strong oxidising/reducing agents.

#### **10.6 Hazardous decomposition products**

Under fire conditions, may decompose and emit toxic fumes.

Other decomposition products - no data available.

### **11. TOXICOLOGICAL INFORMATION**

#### **11.1 Information on toxicological effects**

##### **Acute toxicity**

Classified based on available data. For more details, see section 2.

##### **Skin corrosion/irritation**

Classified based on available data. For more details, see section 2.

##### **Serious eye damage/irritation**

Classified based on available data. For more details, see section 2.

##### **Respiratory or skin sensitization**

Classified based on available data. For more details, see section 2.

##### **Germ cell mutagenicity**

Classified based on available data. For more details, see section 2.

##### **Carcinogenicity**

IARC: No component of this product present at a level equal to or greater than 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at a level equal to or greater than 0.1% is identified as a potential or confirmed carcinogen by ACGIH.

NTP: No component of this product present at a level equal to or greater than 0.1% is identified as a anticipated or confirmed carcinogen by NTP.

OSHA: No component of this product present at a level equal to or greater than 0.1% is identified as a potential or confirmed carcinogen by OSHA.

##### **Reproductive toxicity**

Classified based on available data. For more details, see section 2.

##### **Specific target organ toxicity - single exposure**

Classified based on available data. For more details, see section 2.

##### **Specific target organ toxicity - repeated exposure**

Classified based on available data. For more details, see section 2.

##### **Aspiration hazard**

Classified based on available data. For more details, see section 2.

### **12. ECOLOGICAL INFORMATION**

#### **12.1 Toxicity**

No data available.

#### **12.2 Persistence and 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

PBT/vPvB assessment unavailable as chemical safety assessment not required or not conducted.

## 12.6 Other adverse effects

No data available.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Product

Dispose substance in accordance with prevailing country, federal, state and local regulations.

#### Contaminated packaging

Conduct recycling or disposal in accordance with prevailing country, federal, state and local regulations.

## 14. TRANSPORT INFORMATION

### DOT (US)

This substance is considered to be non-hazardous for transport.

### IMDG

This substance is considered to be non-hazardous for transport.

### IATA

This substance is considered to be non-hazardous for transport.

## 15. REGULATORY INFORMATION

### SARA 302 Components:

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### SARA 313 Components:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### SARA 311/312 Hazards:

No SARA Hazards.

### Massachusetts Right To Know Components:

No components are subject to the Massachusetts Right to Know Act.

### Pennsylvania Right To Know Components:

No components are subject to the Pennsylvania Right to Know Act.

### New Jersey Right To Know Components:

No components are subject to the New Jersey Right to Know Act.

### California Prop. 65 Components:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or anyother reproductive harm.

## 16. OTHER INFORMATION

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Caution: Product has not been fully validated for medical applications. For research use only.

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