

---

## Material Safety Data Sheet

**Product Name:** TUD brand Vacuum Blood Collection Tube containing Gel and Dipotassium EDTA

### **1 Identification of substance:**

**Product Name:** TUD brand Vacuum Blood Collection Tube containing Gel and Dipotassium EDTA

**Catalog Numbers:** 131050010, 161085010

**Manufacturer/Supplier:**

TUD Sdn Bhd,

49-1, Jalan Temenggung 9/9, Bandar Mahkota Cheras, 43200 Cheras, Selangor, Malaysia

**Information Department:**

TUD Sdn Bhd, Customer Service +603-90190331

### **2 Composition/Data on components:**

**Description:**

**Chemical name:** Gel (Proprietary Mixture)

Dipotassium EDTA

**CAS No.:** Gel: Proprietary

Dipotassium EDTA: 25102-12-9

**Quantity:** Gel: 0.9 – 1.85g (TUD)

Dipotassium EDTA: 1.5 – 22.0mg (TUD)

**Exposure limits:** N/A

### **3 Hazards identification:**

**Hazard description:**

May cause eye and skin irritation. Causes respiratory tract irritation and gastrointestinal irritation. Avoid generating dust or dust accumulation.

**Acute Exposure Effects:**

May cause skin and eye irritation. Inhalation causes respiratory tract irritation. Ingestion causes gastrointestinal irritation with nausea, vomiting and diarrhea.

**NFPA ratings (scale 0-4):**

Health = 1

Fire = 1

Reactivity = 0

Specific Hazard = 0

**HMIS ratings (scale 0-4):**

Health = 1

Flammability = 1

Reactivity = 0

Special = 0

### **4 First aid measures:**

**General information:**

**After inhalation:** Move the exposed person to fresh air.

**After skin contact:** Immediately flush skin with plenty of soap and water for at least 15 minutes.

**After eye contact:** Immediately flush with plenty of water for at least 15 minutes.

---

## Material Safety Data Sheet

**Product Name:** TUD brand Vacuum Blood Collection Tube containing Gel and Dipotassium EDTA

**After Swallowing:** Immediately give large amounts of water. Get medical attention.

**Information for doctor:** Show this label

### **5 Fire fighting measures:**

- Suitable extinguishing agents:** Use extinguishing media appropriate for surrounding fire.
- Protective equipment:** Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face-piece operated in positive pressure mode.

### **6 Accidental release measures:**

- Person-related safety precautions:** Avoid overexposure. Wear suitable protective clothing.
- Measures for environmental protection:** N/A
- Measures for cleaning/collecting:** Carefully sweep up and remove. Flush area with water.
- Additional information:** See Section 7 for information on handling and storage.  
See Section 8 for information on exposure controls and personal protection.  
See Section 13 for information on disposal considerations.

### **7 Handling and storage:**

- Handling:**

**Information for safe handling:** Keep container tightly closed. Suitable for any general chemical storage area.

**Information about protection against explosions and fires:** Not applicable.

- Storage:**

**Requirements to be met by storerooms and receptacles:** Keep container tightly closed.

**Information about storage in one common storage facility:** Suitable for any general chemical storage area.

**Further information about storage conditions:** None

### **8 Exposure controls and personal protection:**

- Additional information about design of technical systems:** No further data
- Components with limit values that require monitoring at the workplace:** N/A
- Additional information:** N/A
- Personal Protective Equipment:**

**General protective and hygienic measures:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Use with adequate ventilation.

**Breathing equipment:** None required where adequate ventilation conditions exist. If airborne concentration is high, use an appropriate dust mask.

**Protection of hands:** Use proper gloves

**Eye protection:** Use safety goggles

**Body protection:** Wear appropriate protective clothing to prevent skin exposure.

### **9 Physical and chemical properties:**

- General Information:**

**Form:** Solid (Gel and Crystalline powder)

**Color:** Tan gel and White crystalline powder

**Odor:** Odorless

---

## Material Safety Data Sheet

**Product Name:** TUD brand Vacuum Blood Collection Tube containing Gel and Dipotassium EDTA

**Change in condition:**

**Melting point/Melting range:** Not available

**Boiling point/Boiling range:** Not available

**Flash point:** N/A

**Flammability (water fog, gaseous):** N/A

**Danger of explosion:** This material may cause a dust explosion

**Vapor pressure:** N/A

**Density:** N/A

**Solubility in/Miscibility w/H<sub>2</sub>O:** N/A

**pH-value:** Not available

**Organic solvents:** Not available

**Solids content:** Not available

### **10 Stability and reactivity:**

**Thermal decomposition / conditions to be avoided:** Avoid dust generation

**Materials to be avoided:** None identified

**Dangerous reactions:** No dangerous reactions known.

**Dangerous products of decomposition:** Oxides of nitrogen, carbon monoxide, carbon dioxide

### **11 Toxicological information:**

**Acute toxicity:**

**Eye:** May cause eye irritation

**Skin:** May cause skin irritation

**Inhalation:** Causes respiratory tract irritation

**Ingestion:** Causes digestive tract irritation

**Primary irritant effect:**

**On the skin:** Not established

**On the eye:** Not established

**Sensitization:** Not established

**Additional toxicological information:** Does not contain more than 0.1% by weight of a material listed as a potential carcinogen by NTP, IARC, or OSHA.

### **12 Ecological information:**

**Ecotoxicological effects:** No data is available on the adverse effects of this material on the environment.

Neither COD nor BOD data are available.

**Other information:** N/A

**General notes:** N/A

### **13 Disposal considerations:**

**Product:**

#### **Recommendation**

Disposal should be done in accordance with local, state and federal regulations.

Disposal must be made according to the regulations found in 40 CFR 261.

---

## Material Safety Data Sheet

**Product Name:** TUD brand Vacuum Blood Collection Tube containing Gel and Dipotassium EDTA

*This product is not a RCRA hazardous waste.*

- Uncleaned packagings:**

### **Recommendation**

*Disposal should be done in accordance with local, state and federal regulations.*

*Disposal must be made according to the regulations found in 40 CFR 261.*

*This product is not a RCRA hazardous waste.*

### **Recommended cleansing agent**

*Water, if necessary with cleansing agents*

- General notes:** N/A

### **14 Transport information:**

- DOT regulations:** Non-regulated
- Land transport ADR/RID (cross-border):** Non-regulated
- Maritime transport IMDG:** Non-regulated
- Air transport ICAO-TI and IATA-DGR:** Non-regulated

### **15 Regulations:**

- SARA Section 355 (extremely hazardous substances):** Substance not listed
- Section 313 (specific toxic chemical listings):** Substance not listed
- TSCA (Toxic Substances Control Act) Inventory:** Listed
- Carcinogenicity categories**

**IARC (International Agency for Research on Cancer):** Substance not listed

**NTP (National Toxicology Program):** Substance not listed

**TLV (Threshold Limit Value established by ACGIH):** Substance not listed

**MAK (German Maximum Workplace Concentration):** Not available

- Product related hazard information:** No additional information
- National regulations:** N/A
- Water hazard class:** N/A

### **16 Other information:**

*To the best of our knowledge, the information contained herein is accurate. However, TUD does not assume any liabilities whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

- Department issuing MSDS:** Regulatory Affairs