



1121 5<sup>th</sup> Street NW  
 Washington, DC 20001  
[www.edvotek.com](http://www.edvotek.com)

## Safety Data Sheet

Version 2  
 Revision Date 05/14/2025

### PRODUCT AND COMPANY IDENTIFICATION

Product name: Control Simulated Blood Sample (Type B)	Telephone: 1-800-338-6835 or 202-370-1500
Brand: Edvotek	Fax: 202-370-1501
Supplier: Edvotek	Emergency Phone #: 202-370-1500
1121 5 <sup>th</sup> Street NW Washington, DC 20001	

### HAZARDS IDENTIFICATION

#### Emergency Overview

#### GHS Classification

Acute toxicity, Oral (Category 4)  
 Serious eye damage (Category 1)

#### Signal Word

Danger

#### Pictogram



#### Hazard statement(s)

H318 Causes serious eye damage.

#### Precautionary statement(s)

P280 Wear eye protection/ face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**HMIS Classification:**

Health hazard: 2

Flammability: 0

Physical hazard: 1

**NFPA Rating:**

Health hazard: 2

Fire: 0

Reactivity Hazard: 1

**Potential Health Effects:****Inhalation** May be harmful if inhaled.**Skin** If skin irritation.**Eyes** Causes eye burns.**Ingestion** May be toxic if swallowed

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	EC No.	CAS -No	Concentration
Calcium Nitrate	233-332-1	13477-34-4	<2.5 M

### 4. FIRST AID MEASURES

**General information**

No special measures required.

**If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult doctor in case of complaints.

**In case of skin contact**

Immediately wash off with soap and plenty of water. Get medical attention if symptoms develop.

**In case of eye contact**

After eye contact: rinse out with plenty of water. Immediately call in ophthalmologist. Remove contact lenses.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth

with water. Get medical attention if symptoms develop.

## **FIREFIGHTING MEASURES**

### **Conditions of flammability**

Product is not flammable.

### **Specific hazards arising from the chemical**

When heated to decomposition, will emit toxic fumes (nitrogen oxides, aluminum oxides). May intensify fire.

### **Suitable extinguishing media**

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

### **Special protective equipment for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

### **Special hazards**

Nitrogen oxides (NO<sub>x</sub>). Calcium oxide. Not combustible. Ambient fire may liberate hazardous vapours.

## **ACCIDENTAL RELEASE MEASURES**

### **Personal precautions**

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

### **Environmental precautions**

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

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

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

## HANDLING AND STORAGE

### Precautions for safe handling

No special measures necessary. Good laboratory technique should be used when handling.

### Conditions for safe storage

No special measures necessary. Store at room temperature.

### Incompatible Products

No known products

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

### Personal protective equipment

#### Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand protection

Wear protective gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices

#### Eye protection

Avoid eye contact with this material. Wear chemical safety goggles.

#### Skin and body protection

Use chemical gloves as needed. Use clean protective body covering clothing as needed to minimize contact with clothing and skin.

#### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash and dry hands at the end of workday.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form liquid  
Colour colorless  
Odor no data available

### Safety data

pH	no data available
Melting point/freezing point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Autoignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Density (water=1)	no data available
Water solubility	no data available
Partition coefficient:	
n-octanol/water	no data available
Relative vapour Density	no data available
Odour Threshold	no data available
Evaporation rate	no data available

## 10. STABILITY AND REACTIVITY

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

No further relevant data available

### Conditions to avoid

No further relevant data available

### Materials to avoid

No further relevant data available.

**Hazardous decomposition products**

No dangerous decomposition products

**TOXICOLOGICAL INFORMATION**

**Acute toxicity LD/LC50 values**

no data available

**Serious eye damage/eye irritation**

no data available

**Respiratory or skin sensitization**

no data available

**Germ cell mutagenicity**

no data available

**Skin corrosion/irritation**

no data available

**Carcinogenicity**

No components of this product are listed by IARC, ACGIH, NTP and OSHA.

**Reproductive toxicity**

no data available

**Teratogenicity**

no data available

**Aspiration hazard**

no data available

**Synergistic effects**

no data available

## 12. ECOLOGICAL INFORMATION

### **Toxicity**

no data available

### **Persistence and degradability**

no data available

### **Bioaccumulative potential**

no data available

### **Mobility in soil**

no data available

### **PBT and vPvB assessment**

no data available

### **Other adverse effects**

no data available

## 13. DISPOSAL CONSIDERATIONS

### **Product**

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

### **Contaminated packaging**

Dispose of as unused product

## 14. TRANSPORT INFORMATION

UN-Number: 1454

UN proper shipping name: CALCIUM NITRATE

Transport hazard class(es) Class: 5.1

Packing group:III

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

## 15. REGULATORY INFORMATION

### **SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 30

### **SARA 313 Components**

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

### **SARA 311/312 Hazards**

SARA 311/312

Hazards : Reactive, Acute, Chronic

## 16. OTHER INFORMATION

For educational use only. Not intended for human or animal diagnostic or therapeutic uses.

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or

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