



1121 5th Street NW
 Washington, DC 20001
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
Product Number:	Fax: 202-370-1501
Brand: Edvotek	Emergency Phone #: 202-370-1500
Supplier: Edvotek	
1121 5 th Street NW Washington, DC 20001	

HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards

Specific target organ toxicity following
single exposure (Cat 2)

Specific target organ toxicity following
repeated exposure (Cat 2)

Oxidizing solids (Cat 3)

Signal Word

Warning

Pictogram



Hazard statement(s)

May intensify fire; oxidizer
 May cause damage to organs
 May cause damage to organs through
 prolonged or repeat exposure

Precautionary statement(s)

Keep out of reach of children
 Read label before use
 Do not eat, drink or smoke when using
 this product

Keep away from heat/spark/open
flamg

Physical hazard: N/A

NFPA Rating:

Health hazard: 3

Fire: 0

Instability: 1

Potential Health Effects:

Inhalation May be harmful if inhaled.

Skin Causes skin irritation.

Eyes Causes eye burns.

Ingestion May be toxic if swallowed

3. COMPOSITION/INFORMATION ON INGREDIENTS

Molecular Name: Iron(III) chloride hexahydrate (Ferric chloride hexahydrate)

Formula : $\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$ **Molecular Weight :** 270.30

Chemical name	EC No.	CAS -No	Concentration
Iron(III) chloride hexahydrate	231-729-4	10025-77-1	<.1M
Iron(III) chloride	231-729-4	7705-08-0	<.01M

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

Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.

In case of eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

If swallowed

Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur. Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms develop.

FIREFIGHTING MEASURES

Conditions of flammability

Not flammable or combustible.

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.

Hazardous combustion products

Sulphur oxides, Borane/boron oxides, Zinc/zinc oxides

ACCIDENTAL RELEASE MEASURES

Personal precautions

Prevent skin/eye contact. Use personal protective equipment as needed.

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

Clean up spills immediately. Use absorbent materials if needed and dispose into a chemical waste container.

HANDLING AND STORAGE

Precautions for safe handling

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

Conditions for safe storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Keep away from water or moist air. Store under an inert atmosphere. Protect from moisture.

Incompatible Products

Incompatible Materials. Strong oxidizing agents. Metals. Strong bases.

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

10. STABILITY AND REACTIVITY

Odour Threshold	no data available
Evaporation rate	no data available

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

Strong oxidizing agent

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

DOT (US)

UN-No UN3260

Proper Shipping Name CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.

Technical Name Iron (III) chloride hexahydrate

Hazard Class 8

Packing Group III

TDG

UN-No UN3260

Proper Shipping Name CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.

Hazard Class 8

Packing Group III

IMDG/IMO

UN-No UN3260

Proper Shipping Name CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.

Hazard Class 8

Packing Group III

IATA

UN-No UN3260

Proper Shipping Name CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.

Hazard Class 8

Packing Group III

15. REGULATORY INFORMATION

OSHA Hazards

Acute toxicity, acute aquatic toxicity, eye irritation, harmful if swallowed, causes skin irritation, causes serious eye irritation, very toxic to aquatic life

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

See section Hazard Identification for more information.

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 from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A

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