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Washington, DC 20001  
[www.edvotek.com](http://www.edvotek.com)

## Safety Data Sheet

Version 3  
Revision Date 12/18/2018

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Flash Blue™ DNA Stain

**Product Number:** 609

**Brand:** Edvotek

**Supplier:** Edvotek  
1121 5<sup>th</sup> Street NW  
Washington, DC  
20001

**Telephone:** 1-800-338-6835  
or 202-370-1500

**Fax:** 202-370-1501  
**Emergency Phone # (For both supplier and Manufacturer):**  
202-370-1500

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

#### OSHA Hazards:

Skin Irritant 2  
Eye Irritant 2

#### Signal Word

Warning

#### Pictogram



#### Hazard Statements

**H315** - Causes skin irritation  
**H319** - Causes serious eye irritation  
**H335** – May cause respiratory irritation

#### Precautionary Statements

**P280** - Wear protective gloves/protective clothing/eye protection/face protection  
**P302+ P352** - IF ON SKIN: Wash with plenty of soap and water  
**P304 + P340** - IF INHALED: Remove victim to fresh air and keep at rest in a

position comfortable for breathing.

**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: 0

**NFPA Rating:**

Health hazard: 2

Reactivity Hazard: 0

Fire: 0

**Potential Health Effects:**

**Inhalation:** May be harmful if inhaled. Causes respiratory tract irritation.

**Skin:** Harmful if absorbed through skin. Causes skin irritation.

**Eyes:** Causes eye irritation.

**Ingestion:** Harmful if swallowed.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms:**

3,7-Bis(dimethylamino) phenazathionium chloride

3,7-Bis(dimethylamino) phenothiazin-5-ium chloride

**Formula:** C<sub>16</sub>H<sub>18</sub>ClN<sub>3</sub>S

**Molecular Weight:** 319.85 g/mol

Chemical name	EC No.	CAS –No	Concentration
3,7-Bis(dimethylamino) phenazathionium chloride	200-515-2	61-73-4	< 0.2%

## 4. FIRST AID MEASURES

### **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 eye contact**

Flush eyes with water as a precaution. Get medical attention immediately if irritation persists.

### **In case of skin contact**

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

### **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms develop.

## 5. FIREFIGHTING MEASURES

### **Conditions of flammability**

Not flammable or combustible.

Wear self contained breathing apparatus for fire fighting if necessary.

### **Suitable extinguishing media**

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

### **Hazardous combustion products**

May emit toxic and/or irritating fumes under fire conditions.

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

## 6. 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.

## 7. HANDLING AND STORAGE

### **Precautions for safe handling**

Avoid contact with skin and eyes. Good laboratory technique should be used when handling.

### **Conditions for safe storage**

Keep containers tightly closed in a dry, cool and well-ventilated place.

### **Incompatible Products**

Strong oxidizing agents.

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## 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. Wash and dry hands.

#### **Eye protection**

Avoid eye contact with this material. Wear chemical safety glasses with side shields or 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**

General industrial hygiene practice. Keep away from foodstuffs and beverages. Avoid contact with the eyes and skin. Do not eat, drink or smoke while working with products.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form	liquid
Colour	Blue
Odor	No odor

### 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

Carbon oxides. Nitrogen oxides (NOx). Sulfur oxides. Hydrogen chloride gas

**11. TOXICOLOGICAL INFORMATION****Acute toxicity LD/LC50 values**

no data available

**Serious eye damage/eye irritation**

no data available

**Skin corrosion/irritation**

no data available

**Reproductive toxicity**

no data available

**Teratogenicity**

no data available

**Respiratory or skin sensitization**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

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

**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

## 14. 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.

## 13. TRANSPORT INFORMATION

### DOT (US)

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

## 15. REGULATORY INFORMATION

### OSHA Hazards

No known OSHA hazards.

### OSHA Hazards

Target Organ Effect, Harmful by ingestion, Irritant.

### SARA 302 Components

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

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

### SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard.

**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 WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.