



SAFETY DATA SHEET

Version 4
Revision Date 05/14/2025

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	FlashBlue™ DNA Stain				
Product Number:	609		Telephone:	1-800-338-6835	
Brand:	Edvotek			or 202-370-1500	
Supplier:	Edvotek		Fax:	202-370-1501	
1121 5 th Street NW	Washington,		Emergency Phone #:	202-370-1500	
DC 20001			(For both supplier and Manufacturer)		

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

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

Reactivity Hazard: 0
Fire: 0

Synonyms:

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

Formula: C₁₆H₁₈ClN₃S

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.

Special protective equipment for firefighters

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

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

Methods and materials for containment and cleaning up

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

Environmental precautions

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

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.

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	Vapour pressure	no data available
Melting point/freezing point	no data available	Density (water=1)	no data available
Boiling point	no data available	Water solubility	no data available
Flash point	no data available	Partition coefficient:	
Ignition temperature	no data available	n-octanol/water	no data available
Autoignition Temperature	no data available	Relative vapour Density	no data available
Lower explosion limit	no data available	Odour Threshold	no data available
Upper explosion limit	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	Reproductive toxicity	no data available
Serious eye damage/eye irritation	no data available	Teratogenicity	no data available
Respiratory or skin sensitization	no data available	Aspiration hazard	no data available
Germ cell mutagenicity	no data available	Synergistic effects	no data available
Skin corrosion/irritation	no data available		
Carcinogenicity	No components of this product are listed by IARC, ACGIH, NTP and OSHA.		

12. ECOLOGICAL INFORMATION

Toxicity	no data available	Mobility in soil	no data available
Persistence and degradability	no data available	PBT and vPvB assessment	no data available
Bioaccumulative potential	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.
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14. TRANSIT INFORMATION

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards	No known OSHA hazards.	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.
OSHA Hazards	Target Organ Effect, Harmful by ingestion, Irritant.	SARA 311/312 Hazards	Acute Health Hazard, Chronic Health Hazard
SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.		

16. OTHER INFORMATION

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

SDS - FlashBlue™ DNA Stain

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

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