



1121 5th Street NW
Washington, DC 20001
www.edvotek.com

Safety Data Sheet

Version 4
Revision Date 02/08/22

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: SYBR® Safe DNA Stain	Telephone: 1-800-338-6835 or 202-370-1500
Product Number: 608	Fax: 202-370-1501
Brand: Edvotek	Emergency Phone # (For both supplier and Manufacturer):
Supplier: Edvotek	202-370-1500
1121 5 th Street NW	
Washington, DC 20001	

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards:

No Specific Hazard

Signal word

Warning

Hazard statement(s)

H227 - Combustible liquid.

Precautionary statement(s)

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction

P403 - Store in a well-ventilated place

P501 - Dispose of contents/ container to an approved waste disposal plant

HMIS Classification:

Health hazard: 1

Flammability: 2

Physical hazard: 0

NFPA Rating:

Health hazard: 1

Fire: 2

Reactivity Hazard: 0

Potential Health Effects:**Inhalation:** May be harmful if inhaled.**Skin-** May be harmful if absorbed through skin.**Eyes:** Causes eye irritation.**Ingestion:** May be harmful if swallowed.**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Mixture of the substances listed below with nonhazardous additions.

Chemical name	EC No.	CAS -No	Concentration
Dimethylsulfoxide	200-664-3	67-68-5	95-100%
SYBR® Safe Stain	NOT FOUND		< 1%

4. FIRST AID MEASURES**Skin contact** Rinse with plenty of water. Immediate medical attention is not required.**Eye contact** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**Ingestion** Not expected to present a significant ingestion hazard under anticipated conditions

of normal use. If you feel unwell, seek medical advice.

Inhalation Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.**Notes to Physician** Treat symptomatically.**5. FIREFIGHTING MEASURES****Conditions of flammability** Flammable/combustible.**Suitable extinguishing media**

Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.

Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area)

Environmental precautions

No special environmental precautions required.

Methods and material for containment and cleaning up

Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Precautions for safe handling

Use personal protective equipment as required. No special handling advices are necessary.

Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment

Respiratory protection In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

Hand protection Wear suitable gloves. Glove material: Compatible chemical-resistant gloves.

Eye protection Tight sealing safety goggles.

Skin and Body Protection Wear suitable protective clothing.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls

No special environmental precautions required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	liquid
Color	no data available
Odor	no data available

Safety data

pH	6-8
Melting point/freezing point	C 18 - 19
Boiling point	C 188 - 190
Flash point	C 87 - 89
Ignition temperature	C 214 - 216
Autoignition Temperature	no data available
Lower explosion limit	2.4% - 2.8%
Upper explosion limit	61% - 64%
Vapor 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

Strong acids. Strong oxidizing agents.

Hazardous decomposition products

No data available.

11. TOXICOLOGICAL INFORMATION

Skin corrosion/irritation Mild skin irritant Mild eye irritation Components of the product may be absorbed into the body through the skin.

Serious eye damage/irritation Conclusive but not sufficient for classification

Respiratory or skin sensitization Conclusive but not sufficient for classification

Specific target organ toxicity (STOT) – single exposure Conclusive but not sufficient for classification

Specific target organ toxicity (STOT) – repeated exposure

Conclusive but not sufficient for classification

Carcinogenicity Conclusive but not sufficient for classification

Germ cell mutagenicity Substances which cause concern for man owing to possible mutagenic effects but for which the available information is not adequate for making a satisfactory assessment.

Reproductive toxicity Conclusive but not sufficient for classification

Aspiration hazard Conclusive but not sufficient for classification

12. ECOLOGICAL INFORMATION

Toxicity

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Persistence and degradability

Inherently biodegradable.

Bioaccumulative potential

Material does not bioaccumulate.

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)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

REGULATORY INFORMATION

SARA 302 Components

SARA 302: 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 reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

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