

Material Safety Data Sheet

UF II SEARCH-BAC (USB-800A)

Health	Flammability	Reactivity	Contact
2	1	1	3

1 = Slight, 2 = Moderate, 3 = Severe, 4 = Extreme

24-HOUR EMERGENCY PHONE NUMBER

Contact CHEM-TEL at 1-800-255-3924

1. PRODUCT IDENTIFICATION

UF II SEARCH-BAC™ is a Stain for designated Sysmex Automated Urine Particle Analyzers.

2. HAZARDOUS INGREDIENTS

	Percent	C.A.S. Number	DOT Status
Ethylene Glycol	99.9 % (w/w)	107-21-1	Non-Hazardous

Ethylene Glycol: Oral Rat LD50 4700 mg/Kg
 Oral Man LDLo, range from 400 mg/Kg to 1600 mg/Kg
 Oral Man TDLo, 1.2 to 16 g/Kg

Carcinogen Data: **POTENTIAL CANCER HAZARD**

Ethylene Glycol: Not identified as a human carcinogen

3. PHYSICAL DATA

Clear blue liquid. No odor is detectable. pH is NA. Specific Gravity at 20/4°C =1.114. Reagent is ethylene glycol dissolved dye.

4. FIRE AND EXPLOSION DATA

Stimulus or poisonous carbon monoxide gas will be produced when burning. Causes ignition at 100° C with ammonium dichromate, silver chlorate, sodium chloride, and uranyl nitrate.

Fire Fighting Procedures: Full protective clothing/NIOSH approved self-contained breathing apparatus with full-face piece. Ethylene Glycol emits carbon monoxide and dioxide fumes when burned.

5. REACTIVITY DATA

Stable under ordinary conditions of use and storage. Avoid Heat, flames, ignition source.

Incompatibility

Chlorosulfonic acid, dimethyl terephthalate, oleum, phosphorus pentasulfide, silvered-copper wire, sodium hydroxide, sulfuric acid titanium butoxide.



Causes ignition at room temperature with chromium trioxide, potassium permanganate, and sodium peroxide. Causes ignition at 100° C with ammonium dichromate, silver chlorate, sodium chloride, and uranyl nitrate.

Hazardous Decomposition Products

Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

6. TOXICOLOGICAL PROPERTIES

Ethylene Glycol: Oral Rat LD50 4700 mg/Kg
Oral Man LDLo, range from 400 mg/Kg to 1600 mg/Kg
Oral Man TDLo, 1.2 to 16 g/Kg

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7. FIRST AID MEASURES

- Ingestion: Obtain immediate medical attention. If patient is alert, dilute, inactivate by giving, milk, activated charcoal, or water. Keep person warm and at rest. If vomiting occurs, turn patient on side and keep head lower than hips.
- Inhalation: Move patient to fresh air. Obtain immediate medical attention.
- Skin contact: Remove contaminated clothing. Wash affected area with soap and water. Obtain medical attention.
- Eye Contact: Immediately flush eyes with water; lifting lower and upper lids until all traces of irritation is removed. Obtain medical attention.

8. PREVENTIVE MEASURES AND DISPOSAL PROCEDURES

Ventilate area of leak or spill. Remove all sources of ignition. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer. Wear gloves, safety goggles and liquid impervious clothing to protect against splash. Utilize personal protective equipment. Place absorbed spill in a sealed suitable container (adequately labeled) for disposal. Dispose of waste in accordance with applicable local, state and federal regulations.

9. STORAGE AND SPECIAL INFORMATION

Store at 2-35°C. Away from direct sunlight and dust, to ensure performance. Do not freeze. Keep away from source of ignition. Keep away from incompatible substances: Chlorosulfonic acid, dimethyl terephthalate, oleum, phosphorus pentasulfide, silvered-copper wire, sodium hydroxide, sulfuric acid titanium butoxide.

10. REGULATORY INFORMATION

International Inventory Status:

Ingredient	CAS #	EC	Japan	Australia	Korea	Canada: DSL	Canada: NDSL
Ethylene Glycol	107-21-1	YES	NO	YES	NO	YES	NO



United States:

Ingredient	CAS #	OSHA	CAA	CWA	RCRA	SARA 302	SARA 313	TSCA
Ethylene Glycol	107-21-1	YES	NO	NO	NO	NO	YES	YES

WHMIS (Canada):

HAZARDOUS INGREDIENTS – WHMIS (Canadian Workplace Hazardous Materials Information System)

This product when tested as a whole is considered a controlled substance, CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

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