



**24-HOUR EMERGENCY PHONE NUMBER**

Contact CHEM-TEL at 1-800-255-3924  
Sysmex's CHEM-TEL # MIS0004042

# Material Safety Data Sheet

## URINOCATCH STAIN (UCH-800)

Health	Flammability	Reactivity	Contact
1	1	0	1

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

### 1. PRODUCT IDENTIFICATION

URINOCATCH™ STAIN is a component, along with URINOCATCH DILUENT (UCH-300), of a reagent kit used with designated Sysmex fully automated urine cell analyzers, for preparation and analysis of human urine sediment formed elements. These two products are packaged together, and labeled as URINOCATCH (UCH-700A).

### 2. HAZARDOUS INGREDIENTS

	Percent	C.A.S. Number
Ethylene Glycol ( <i>solvent</i> )	99.8%	107-21-1
Dye-A* 0.1%		
Dye-B* <0.1%		

\*Dye-A is a phenanthridine dye. Further identification is considered proprietary information.

\*Dye-B is a carbocyanine dye. Further identification is considered proprietary information.

- **DOT Status:** Non-hazardous
- **Toxicity Data Base Summary:** Not applicable.

### 3. PHYSICAL DATA

Clear odorless red liquid. Relative density 1.109 (25 ± 0.5°C). Water solubility: 100% based on ethylene glycol dissolved dyes.

### 4. FIRE AND EXPLOSION DATA

Auto-ignition and flashpoint: (Ethylene Glycol). Auto-ignition: 410°C / 770°F. Flashpoint: 111 °C / 231.8 °F. Explosion limits: (Ethylene glycol) \* Lower – 3.2 vol. % \* Upper – 15.3 vol. %.

As in any fire, wear a self-contained breathing apparatus in pressure-demand mode, and full protective gear. Irritating and highly toxic gases may be generated by thermal decomposition or combustion. To extinguish, use water, dry chemical, chemical foam or alcohol-resistant foam.



## 5. REACTIVITY DATA

Stable at room temperature in closed containers under normal storage and handling conditions. Avoid incompatible materials, ignition sources, moisture, excess heat, strong oxidants. Incompatible with the following materials: chlorosulfonic acid, dimethyl terephthalate, oleum, phosphorous pentasulfide, silveredcopper wire, sodium hydroxide, sulfuric acid, titanium butoxide, oxidizing agents. 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: nitrogen oxides, carbon monoxide, irritating and toxic fumes and gasses, carbon dioxide, hydrogen bromide. Hazardous polymerization: no information available.

## 6. TOXICOLOGICAL PROPERTIES & HEALTH HAZARD DATA

Warning! Mutagen (Dye A). Irritant! Caution! Hygroscopic

The toxicological properties of this product have not been fully investigated. May cause central nervous system effects. May cause eye and skin irritation. May cause respiratory and digestive tract irritation. May cause cardiac disturbances. Use appropriate procedures to prevent potential direct contact with skin or eyes, and to prevent inhalation. Target organs: Kidneys, heart, central nervous system, liver.

- **Eye Contact:** May cause eye irritation.
- **Skin Contact:** May cause skin irritation.
- **Ingestion:** May cause gastrointestinal irritation with nausea, vomiting, and diarrhea. Toxicity follows 3-stage progression: 1) Involves central nervous system effects including paralysis of eye muscles, convulsions, and coma. Metabolic acidosis and cerebral swelling may also occur. 2) Involves cardiopulmonary system with symptoms of hypertension, rapid heartbeat, and possible cardiac failure. 3) Involves severe kidney abnormalities including possible renal failure.
- **Inhalation:** May cause respiratory tract irritation. Heated or misted substance may cause headache, irregular eye movements, and possible coma.
- **Chronic:** May cause kidney injury.

## 7. FIRST AID MEASURES

- **Eye Contact:** Immediately flush eyes with water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately. Do NOT allow the victim to rub or keep eyes closed.
- **Skin Contact:** Flush skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Obtain medical attention.
- **Ingestion:** If victim is conscious and alert, give 2 – 4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical attention immediately.



- **Inhalation:** Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
- **Notes to physician:** Ethylene glycol may inhibit metabolism. Treat symptomatically and supportively.

## 8. PREVENTIVE MEASURES AND DISPOSAL PROCEDURES

Use according to package insert, and intended instrument instructions. Provide adequate ventilation when using this product with intended instrument system to maintain low airborne concentrations. Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA eye and face protection guidance as found in 29CFR 1910.133. Wear appropriate gloves to prevent skin exposure. Wear appropriate protective clothing to prevent skin exposure. Follow OSHA respirator guidelines as found in 29CFR 1910.134.

Dike any spills, and absorb the spill with neutral absorbent material. Sweep up and place in a suitable container for disposal. Dispose of waste in accordance with applicable local, state, and federal regulations.

RCRA D-Series Maximum Concentration of Contaminants: None listed.

RCRA D-Series Chronic Toxicity Reference Levels: None listed.

RCRA F-Series: None listed.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

## 9. STORAGE AND SPECIAL INFORMATION

Wash thoroughly after handling. Remove contaminate clothing and wash before reuse. Use with adequate ventilation. Ground and bond containers when transferring material. Keep container tightly closed. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

Store in a tightly closed container. Keep away from sources of ignition. Store in a cool, dry, wellventilated area away from incompatible substances. Store at controlled room temperature away from direct sunlight to ensure reagent performance.

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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