

Material Safety Data Sheet      Issue Date: 12/23/2003  
 Section 1: Chemical Product and Company Identification  
 Cat#: 22422A  
 Part Name: TB FLUOROSTAIN KIT STAINING SOLN ACASE IS 9 X 500ML BOTTLES  
 Supplier: Polysciences, Inc.  
 400 Valley Road  
 Warrington, PA 18976  
 Telephone #215-343-6484

Section 2: Composition/ Information on Ingredients

Item#	Name	CAS#	% in Product
1	Benzenamine, 4,4'-carbonimidoylbis, [N,N-dimethyl-, monohydrochloride	002465272	0.02
2	Ethyl alcohol	000064175	5
3	Glycerol	000056815	57
4	Phenol	000108952	1
5	Rhodamine B	000081889	0.2
6	Water	007732185	36

OSHA (ACGIH) Exposure Limits

CAS#	IDHL	TWA		STEL		CEILING	
		ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
000056815	--						
	OSHA:	Not	15, 5a	--	--	--	--
	ACGIH:	--	10b	--	--	--	--
000064175	--						
	OSHA:	Not	--	--	--	--	--
	ACGIH:	1000	1884	--	--	--	--
000081889	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE
000108952	250						
	OSHA:	ACGIH	19	--	--	--	--
	ACGIH:	5	19	--	--	--	--
002465272	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE
007732185	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE

Section 3: Hazards Identification

Causes eye burns.  
 Causes skin irritation.  
 Hazard Ratings:  
 These ratings are Polysciences' Inc. own assesments of the properties of the material using the ANSI/NFPA 704 Standard.  
 Additional information can be found by consulting in the NFPA published ratings lists (List 325 and List 49).  
 If no data is listed the information is not available.  
 Health      Flammability      Reactivity  
 2      ----- 1      -----      0

Section 4: First Aid Measures

Flush eyes with flowing water for at least 15 minutes.  
 If breathing is difficult, contact emergency personnel.  
 If swallowed, NO NOT INDUCE vomiting. Give 8 oz. of water or milk to drink.  
 Call a physician or the POISON CONTROL CENTER immediately. Never

give anything by mouth to an unconscious person.  
If swallowed, wash out mouth with water if person is conscious.  
Remove contaminated clothing.  
Remove to fresh air.  
Separate eyelids with finger tips.  
Wash skin with deluge of water for at least 15 minutes.

#### Section 5: Fire Fighting Measures

Flash point, deg F.: no data Method: no data  
UEL: no data LEL: no data Autoignition temperature, deg. F.: no data  
Flammability Classification: no data Flame Propagation Rate: no data  
Hazardous Combustion Products: no data

#### Section 6: Accidental Release Measures

Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.  
Absorb liquids on absorbent material.  
Contain spilled liquids.  
Protect personnel from exposure.

#### Section 7: Handling and Storage

Store at 25 deg. C.

#### Section 8: Exposure Controls/ Personal Protection

The use of eye protection in the form of safety glasses with side shields and the use of skin protection for hands in the form of gloves are considered minimum and non-discretionary in work places and laboratories. Any recommended personal protection equipment or environmental equipment is to be considered as additional to safety glasses and gloves.  
Use chemical splash goggles and face shield.  
Use latex or equivalent gloves.  
Use process enclosures, local exhaust ventilation, or other engineering controls.

#### Section 9: Physical and Chemical Properties

Formula: no data vapor pressure: no data  
Formula Weight: no data vapor density: no data  
boiling point: no data Specific gravity: 1.137  
melting point: no data ph: no data  
solubility: soluble appearance: slightly viscous red liquid with odor of phenol

#### Section 10: Stability and Reactivity

Chemical Stability: stable  
Conditions to Avoid: high temperatures  
Incompatibility with other materials: Strong oxidizers, strong reducers  
Hazardous Decomposition Products: oxides of carbon  
Hazardous Polymerization: will not occur

#### Section 11: Toxicological Information

Acute Data: no data  
Subchronic data: no data

#### Section 12: Ecological Information

no data

### Section 13: Disposal Considerations

The following chart lists the status of the chemical and its components in reference to 40 CFR Part 261.33. If the product is listed by code number the substance may be subject to special federal and state disposal regulations. If no codes are listed the material must be disposed in compliance with all Federal, State and Local Regulations.

CAS#	Waste Code	Regulated Name
000056815	not listed	not listed
000064175	not listed	not listed
000081889	not listed	not listed
000108952	not listed	not listed
002465272	not listed	not listed
007732185	not listed	not listed

### Section 14: Transportation Data

Refer to bill of lading or container label for DOT or other transportation hazard classification , if any.

### Section 15: Regulatory Information

All components of this product are on the TSCA public inventory.

Prop 65 - Column A identifies those items which are known to the State of California to cause cancer. Column B identified items which are known to the State of California to cause reproductive toxicity.

CAS#	Column A	Column B
000056815	no	no
000064175	no	no
000081889	Yes	no
000108952	no	no
002465272	no	no
007732185	no	no

State Regulatory Information :If a CAS# is listed below this material is subject to the listed state right-to-know requirements.

CAS#	MA	MN	PA	WA		
000056815	MA	MN	PA	WA		
000064175	FL	MA	MN	PA	WA	
000081889	MA	PA				
000108952	FL	MA	MI	MN	PA	WA
002465272	PA					
007732185	not listed					

### SARA Toxic Release Chemicals(as defined in Section 313 of SARA Title III)

This list identifies the toxic chemicals, including their de minimis concentrations for which reporting is required under Section 313 of the Emergency

Planning and Community Right-to-Know Act (EPCRA). The list is also referred to as the Toxics Release Inventory (TRI) List.

CAS#	Regulated Name	de minimis conc.	%Rep. Thres.
000056815	not listed	not listed	not listed
000064175	not listed	not listed	not listed
000081889	C.I. Food Red 15	1.0	not listed
000108952	Phenol	1.0	not listed
002465272	not listed	not listed	not listed
007732185	not listed	not listed	not listed

SARA Extremely Hazardous Substances and TPQs

This list includes hazardous chemicals as defined in 29 CFR 1910.1200(c); and extremely hazardous substances regulated under Section 302 of SARA Title III with their TPQs (in pounds), as listed in 40 CFR 355, Appendices A and B.

CAS#	Regulated Name	TPQ (pounds)	EHS-RQ(pounds)
000056815	not listed	not listed	not listed
000064175	not listed	not listed	not listed
000081889	not listed	not listed	not listed
000108952	Phenol	500/10,000	1,000
002465272	not listed	not listed	not listed
007732185	not listed	not listed	not listed

CERCLA

The hazardous substances, and their reportable quantities (RQs) are listed in the federal regulations at 40 CFR Part 302, Table 302.4. Release of a CERCLA hazardous substance in an amount equal to or greater than its RQ, in any 24-hour period, must be reported to the National Response Center at (800) 424-8802.

CAS#	Regulated name	RQ pounds
000056815	Not listed	Not listed
000064175	Not listed	Not listed
000081889	Not listed	Not listed
000108952	Not listed	Not listed
002465272	Not listed	Not listed
007732185	Not listed	Not listed

Section 16: Other Information

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END OF MSDS