

Material Safety Data Sheet Issue Date: 12/23/2003

Section 1: Chemical Product and Company Identification

Cat#: 22422B

Part Name: TB FLUOROSTAIN KIT DECOLORIZING SOLN B CASE 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	Ethyl alcohol	000064175	64
2	Hydrogen chloride	007647010	0.3
3	Water	007732185	36

OSHA (ACGIH) Exposure Limits

CAS#	IDHL	TWA		STEL		CEILING	
		ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
000064175	--						
	OSHA:	Not	--	--	--	--	--
	ACGIH:	1000	1884	--	--	--	--
007647010	50						
	OSHA:	Not	--	--	5	7	
	ACGIH:	--	--	--	5	7.5	
007732185	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE

Section 3: Hazards Identification

Causes eye irritation.

Flammable liquid and vapor.

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
1	----- 3	----- 0

Section 4: First Aid Measures

Contact medical personnel if discomfort persists.

Flush eyes with flowing water for at least 15 minutes.

If swallowed, induce vomiting as directed by medical personnel.

Remove to fresh air.

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: 19.0 LEL: 3.3 Autoignition temperature, deg. F.:

Flammability Classification: 3 Flame Propagation Rate:

Hazardous Combustion Products: nap

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.
Remove ignition sources.

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: 40mm at 20 C
Formula Weight: no data vapor density: 1.4
boiling point: 80.2 Specific gravity: 0.8159
melting point: <-59C ph: nap
solubility: 100% appearance: clear colorless liquid

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
000064175	not listed	not listed
007647010	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
000064175	no	no
007647010	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#					
000064175	FL	MA	MN	PA	WA
007647010	FL	MA	MN	PA	WA
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.
000064175	not listed	not listed	not listed
007647010	Hydrochloric acid (acid aerosols including mists, vapors, not listed		1.0
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)
000064175	not listed	not listed	not listed
007647010	Hydrogen chloride (gas only)	500	5,000
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
000064175	Not listed	Not listed
007647010	Not listed	Not listed
007732185	Not listed	Not listed

Section 16: Other Information

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END OF MSDS