

Material Safety Data Sheet Issue Date: 4/20/2004
 Section 1: Chemical Product and Company Identification
 Cat#: 08824A

Part Name: MULTIPLE STAIN
 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	Acetaldehyde	000075070	0.0003
2	Acetic acid	000064197	0.00003
3	Acetic acid, ethyl ester	000141786	0.38
4	Acetone	000067641	0.00005
5	Basic Fuchsin, Rosaniline	000632995	0.35
6	Cyclohexane	000110827	0.014
7	Ethyl alcohol	000064175	26.78
8	Methanol	000067561	1.0
9	Methyl isobutyl ketone	000108101	0.55
10	n-Hexane	000110543	0.02
11	Phenothiazin-5-ium, 3-amino-7-(dimethylamino)-2-methyl-, chloride	000092319	0.6
12	Solvent naphtha, light aliphatic	064742898	0.19
13	Water	007732185	70

OSHA (ACGIH) Exposure Limits

CAS#	IDHL	TWA		STEL		CEILING	
		ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
000064175	--						
	OSHA:	Not	--	--	--	--	--
	ACGIH:	1000	1884	--	--	--	--
000064197	50						
	OSHA:	Not	25	--	--	--	--
	ACGIH:	10	25	15	15	--	--
000067561	6,000						
	OSHA:	ACGIH;CA	260	--	--	--	--
	ACGIH:	200	262	250	250	--	--
000067641	2,500						
	OSHA:	Not	2400	--	--	--	--
	ACGIH:	500	1188	750	750	--	--
000075070	2,000						
	OSHA:	Not	360	--	--	--	--
	ACGIH:	--	--	--	25	45	--
000092319	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE
000108101	500						
	OSHA:	CANADA	410	--	--	--	--
	ACGIH:	50	205	75	75	--	--
000110543	1,100						
	OSHA:	ACGIH	1800	--	--	--	--
	ACGIH:	50	176	--	--	--	--
000110827	1,300						
	OSHA:	Not	1050	--	--	--	--
	ACGIH:	300	1030	--	--	--	--
000141786	2,000						

OSHA:	Not	1400	--	--	--	--
ACGIH:	400	1440	--	--	--	--
000632995	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
064742898	NE					
OSHA:	NE	NE	NE	NE	NE	NE
ACGIH:	NE	NE	NE	NE	NE	NE

Section 3: Hazards Identification

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

Health	Flammability	Reactivity
1	----- 3	----- 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.: 95 Method: CC

UEL: no data LEL: no data Autoignition temperature, deg. F.: no data

Flammability no data Flame Propagation 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.

Prevent contact with combustible materials.

Protect personnel from exposure.

Remove ignition sources.

Ventilate the area.

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 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: 170-212 F Specific gravity: 0.9
melting point: no data ph: no data
solubility: complete appearance: opaque blue liquid

Section 10: Stability and Reactivity

Chemical stable
Conditions to Avoid: heat, open flame
Incompatibility with other oxidizing agents
Hazardous Decomposition oxides of carbon, oxides of nitrogen, oxides of sulfur, hydrogen chloride gas
Hazardous will not occur

Section 11: Toxicological Information

Acute 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
000064197	not listed	not listed
000067561	U154	Methyl alcohol
000067641	U002	Acetone
000075070	U001	Ethanal
000092319	not listed	not listed
000108101	U161	Pentanol, 4-methyl-
000110543	not listed	not listed
000110827	U056	Cyclohexane
000141786	U112	Ethyl acetate
000632995	not listed	not listed
007732185	not listed	not listed
064742898	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
000064197	no	no
000067561	no	no
000067641	no	no
000075070	Yes	no
000092319	no	no
000108101	no	no
000110543	no	no
000110827	no	no
000141786	no	no
000632995	no	no
007732185	no	no
064742898	no	no

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

CAS#	FL	MA	MN	PA	WA
000064175	FL	MA	MN	PA	WA
000064197	FL	MA	MN	PA	WA
000067561	FL	MA	MN	PA	WA
000067641	FL	MA	MN	PA	WA
000075070	FL	MA	MN	PA	WA
000092319	not listed				
000108101	FL	MA	MN	PA	WA
000110543	FL	MA	MN	PA	WA
000110827	FL	MA	MN	PA	WA
000141786	FL	MA	MN	PA	WA
000632995	not listed				
007732185	not listed				
064742898	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
000064197	not listed	not listed	not listed
000067561	Methanol	1.0	not listed
000067641	not listed	not listed	not listed
000075070	Acetaldehyde	0.1	not listed
000092319	not listed	not listed	not listed
000108101	Methyl isobutyl ketone	1.0	not listed
000110543	Hexane	1.0	not listed
000110827	Cyclohexane	1.0	not listed
000141786	not listed	not listed	not listed
000632995	not listed	not listed	not listed
007732185	not listed	not listed	not listed
064742898	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
000064197	not listed	not listed	not listed
000067561	not listed	not listed	not listed
000067641	not listed	not listed	not listed
000075070	not listed	not listed	not listed
000092319	not listed	not listed	not listed
000108101	not listed	not listed	not listed
000110543	not listed	not listed	not listed
000110827	not listed	not listed	not listed
000141786	not listed	not listed	not listed
000632995	not listed	not listed	not listed
007732185	not listed	not listed	not listed
064742898	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
000064197	Not listed	Not listed
000067561	Not listed	Not listed
000067641	Not listed	Not listed
000075070	Not listed	Not listed
000092319	Not listed	Not listed
000108101	Not listed	Not listed
000110543	Not listed	Not listed
000110827	Not listed	Not listed
000141786	Not listed	Not listed
000632995	Not listed	Not listed
007732185	Not listed	Not listed
064742898	Not listed	Not listed

Section 16: Other Information

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END OF MSDS