

Material Safety Data Sheet

Issue Date: 11/28/2006

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Section 1: Chemical Product and Company Identification

Cat#: 17413

Part Name: ACCELERATOR FOR LR WHITE (DS #305AINSTRUCTIONS)

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	1,4-Dioxane	000123911	proprietary
2	Acetaldehyde	000075070	proprietary
3	Ethylene oxide	000075218	proprietary
4	Formaldehyde	000050000	proprietary
5	N,N-Dimethyl-4-toluidine	000099978	40
6	Poly(ethylene oxide)	025322683	60

OSHA (ACGIH) Exposure Limits

CAS#	IDLH	TWA		STEL		CEILING	
		ppm	mg/	ppm	mg/m3	ppm	mg/m3
CAS#: 000050000	IDLH: 20						
OSHA		Not classifi	--	2/15 min	NE	--	--
ACGIH		--	--	--	--	0.3 c	0.37
CAS#: 000075070	IDLH: 2,000						
OSHA		Not classifi	360	--	--	--	--
ACGIH		--	--	--	--	25	45
CAS#: 000075218	IDLH: 800						
OSHA		Not classifi	--	--	--	--	--
ACGIH		1	1.8	--	--	--	--
CAS#: 000099978	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE
CAS#: 000123911	IDLH: 500						
OSHA		ACGIH;CA	360	--	--	--	--
ACGIH		20	72	--	--	--	--
CAS#: 025322683	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE

Section 3: Hazards Identification

Causes skin, eye and respiratory tract irritation.

Harmful if inhaled.

May cause allergic skin reaction.

Overexposure may cause cyanosis.

Hazard Ratings:

These ratings are Polysciences' Inc. own assessments 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	2	0

Section 4: First Aid Measures

Flush eyes with flowing water for at least 15 minutes.

If swallowed, induce vomiting as directed by medical personnel.

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.: 181 Method: TCC
 UEL: no data LEL: no data Autoignition temperature, deg. F.: no data
 Flammability Classification: IIIA Flame Propagation Rate: no data
 Hazardous Combustion Products: nitrogen compounds

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.
 Protect personnel from exposure.
 Ventilate the area.

Section 7: Handling and Storage

Store at room temp

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:	5.0 mmHg @ 162 F
Formula Weight:	no data	vapor density:	4.6
boiling point:	412	Specific gravity:	1.05
melting point:	no data	ph:	no data
solubility:	negligible	appearance:	liquid

Section 10: Stability and Reactivity

Chemical Stability: stable
 Conditions to Avoid: none
 Incompatibility with other materials: strong oxidizers; strong acids; hypochlorite solutions
 Hazardous Decomposition Products: nitrogen compounds
 Hazardous Polymerization: will not occur if properly stored

Section 11: Toxicological Information

Acute Data: LD50 oral rat 1650 mg/Kg; LD50 dermal rat >2000 mg/Kg; LC50 inhalation rat (4 hr.) 254 ppm
 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
000050000	U122	Formaldehyde
000075070	U001	Ethanal
000075218	U115	Oxirane
000099978	not listed	not listed
000123911	U108	1,4-Dioxane
025322683	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
000050000	Yes	no
000075070	Yes	no
000075218	Yes	000075218
000099978	no	no
000123911	Yes	no
025322683	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	MI	MN	NJ	PA
000050000						
WA						
000075070	FL	MA	MN	NJ	PA	WA
000075218	FL	MA	MI	MN	NJ	PA
WA						
000099978	not listed					
000123911	FL	MA	MI	MN	NJ	PA
WA						
025322683	MN					

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.
000050000	Formaldehyde	0.1	not listed
000075070	Acetaldehyde	0.1	not listed
000075218	Ethylene oxide	0.1	not listed
000099978	not listed	not listed	not listed
000123911	Dioxane	0.1	not listed
025322683	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)
000050000	Formaldehyde	500	100
000075070	not listed	not listed	not listed
000075218	Ethylene oxide	1,000	10
000099978	not listed	not listed	not listed
000123911	not listed	not listed	not listed
025322683	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)
000050000	Not listed	Not listed
000075070	Not listed	Not listed
000075218	Not listed	Not listed
000099978	Not listed	Not listed
000123911	Not listed	Not listed
025322683	Not listed	Not listed

Section 16: Other Information

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END OF MSDS