

Material Safety Data Sheet

Issue Date: 11/28/2006

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Section 1: Chemical Product and Company Identification

Cat#: 18814

Part Name: FORMALDEHYDE METHANOL FREE 16%

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	Formaldehyde	000050000	16.4
2	Water	007732185	83.5

OSHA (ACGIH) Exposure Limits

CAS#	IDLH	TWA		STEL		CEILING	
		ppm	mg/	ppm	mg/m3	ppm	mg/m3
000050000	20	Not classifi	--	2/15 min	NE	--	--
OSHA							
ACGIH		--	--	--	--	0.3 c	0.37
007732185	NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE

Section 3: Hazards Identification

Cancer hazard.

Causes skin, eye and respiratory tract irritation.

Harmful if inhaled, absorbed through skin or swallowed.

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
3	1	0

Section 4: First Aid Measures

Contact medical personnel immediately.

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.

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.: 144

Method: cCC

UEL: 7

LEL: 73

Autoignition temperature, deg. F.: 572F

Flammability Classification: IIIA

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.

Remove ignition sources.

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:	CH3HCO	vapor pressure:	1.3 @ 20c
Formula Weight:	nav	vapor density:	1.04
boiling point:	>200 F	Specific gravity:	1.04
melting point:	5 F	ph:	2.8 for a 31% SOLUTION
solubility:	completely	appearance:	clear colorless liquid formaldehyde

Section 10: Stability and Reactivity

Chemical Stabilit stable

Conditions to Avoid: heat , flames, ignition sources

Incompatibility with other materials: oxidizing agents and alkalis, nitrogen dioxide, perchloric acid, nitromethane, hydrochloric acid.

Hazardous Decomposition Products: no data

Hazardous Polymerization: will not occur

Section 11: Toxicological Information

Acute Data: Formaldehyde:

LD 50 Oral Rat: 100 mg/kg

LD 50 skin rabbit: 270 uL/kg

LC 50 inhalation rat: 203 mg/m3

Irritation data: eye rabbit, 750 ug: severe

Investigated as a tumorigen, mutagen and reproductive effector

Subchronic data: no data

Section 12: Ecological Information

Formaldehyde:

LC 50/96-hour for fish are between 10 and 100 mg/l.

Formaldehyde is expected to leach into groundwater, readily biodegrade in water, not expected to evaporate, not expected to significantly bioaccumulate, will readily degrade by reaction w

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
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
000050000	Yes	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#	FL	MA	MI	MN	NJ	PA
000050000						

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.
000050000	Formaldehyde	0.1	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)
000050000	Formaldehyde	500	100
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)
000050000	Not listed	Not listed
007732185	Not listed	Not listed

Section 16: Other Information

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END OF MSDS