

# Material Safety Data Sheet

Issue Date: 12/31/2008

Page 1 of 3

## Section 1: Chemical Product and Company Identification

Cat#: 24355

Part Name: HARTMANN'S FIXATIVE (MODIFIED DAVIDSON'S FIXATIVE)

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	2-Propanol	000067630	33.3
2	Formaldehyde	000050000	8
3	Methanol	000067561	5
4	Water	007732185	47.3

## 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#: 000067561	IDLH: 6,000						
OSHA		ACGIH;CA	260	--	--	--	--
ACGIH		200	262	250	250	--	--
CAS#: 000067630	IDLH: 2,000						
OSHA		CANADA	980	--	--	--	--
ACGIH		400	983	500	500	--	--
CAS#: 007732185	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE

## Section 3: Hazards Identification

Causes eye burns.

Causes skin, eye and respiratory tract irritation.

Flammable liquid and vapor.

Harmful if inhaled, absorbed through skin or swallowed.

Suspect cancer hazard.

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	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, wash out mouth with water if person is conscious.

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: 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.
- Remove ignition sources.
- Use appropriate personal protective equipment.
- 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:	mixture	vapor pressure:	no data
Formula Weight:	mixture	vapor density:	no data
boiling point:	no data	Specific gravity:	0.954
melting point:	no data	ph:	no data
solubility:	soluble	appearance:	liquid

**Section 10: Stability and Reactivity**

- Chemical Stability: stable
- Conditions to Avoid: no data
- Incompatibility with other materials: strong oxidizers
- 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
000050000	U122	Formaldehyde
000067561	U154	Methyl alcohol
000067630	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
000050000	Yes	no

000067561	no	no
000067630	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#	FL	MA	MI	MN	NJ	PA	WA
000050000							
000067561							
000067630							
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
000067561	Methanol	1.0	not listed
000067630	Isopropyl alcohol (manufacturing-strong acid process, no su	1.0	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
000067561	not listed	not listed	not listed
000067630	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)
000050000	Not listed	Not listed
000067561	Not listed	Not listed
000067630	Not listed	Not listed
007732185	Not listed	Not listed

**Section 16: Other Information**

POLYSCIENCES, INC. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy.

Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose.

POLYSCIENCES, INC. makes no representations or warranties, either expressed or implied of merchantability, fitness for particular purposes with respect to the information set forth herein or to which the information refers. Accordingly, POLYSCIENCES, INC. will not be responsible for damages resulting from the use of or reliance upon this information.

END OF MSDS