

# Material Safety Data Sheet

Issue Date: 11/16/2009

Page 1 of 4

## Section 1: Chemical Product and Company Identification

Cat#: F12100  
 Part Name: REAGENT 1 P/N 200102  
 Supplier: Incelldx, Inc.  
 1700 El Camino Real  
 Menlo Park, CA 94027  
 Telephone: (650) 777-7630

## Section 2: Composition/ Information on Ingredients

Item#	Name	CAS#	% in product
1	2,4-DINITROBENZENESULFONIC ACID SODIUM SALT	000885621	2
2	Formaldehyde	000050000	2
3	Methane, sulfinylbis-	000067685	16
4	Methanol	000067561	1
5	Sodium chloride	007647145	1
6	Water	007732185	80

## OSHA (ACGIH) Exposure Limits

CAS#	Name	IDLH	TWA		STEL		CEILING	
			ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
000050000	OS	20	Not classifi	--	2/15 min	NE	--	--
	ACGIH		--	--	--	--	0.3 c	0.37
000067561	OS	6,000	ACGIH;CA	260	--	--	--	--
	ACGIH		200	262	250	250	--	--
000067685	OS	NE	NE	NE	NE	NE	NE	NE
	ACGIH		NE	NE	NE	NE	NE	NE
000885621	OS	NE	NE	NE	NE	NE	NE	NE
	ACGIH		NE	NE	NE	NE	NE	NE
007647145	OS	NE	NE	NE	NE	NE	NE	NE
	ACGIH		NE	NE	NE	NE	NE	NE
007732185	OS	NE	NE	NE	NE	NE	NE	NE
	ACGIH		NE	NE	NE	NE	NE	NE

## Section 3: Hazards Identification

May cause skin, eye and respiratory tract irritation.  
 Toxicological properties are not known.

### 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
1	1	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, do not induce vomiting. Do not give anything to drink. Obtain medical attention without delay.  
 If swallowed, wash out mouth with water if person is conscious.  
 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: Oxides of carbon

### 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.  
Use appropriate personal protective equipment.

### 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.

### 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:	1.04
melting point:	no data	ph:	no data
solubility:	complete	appearance:	LIQUID

### Section 10: Stability and Reactivity

Chemical Stabilit stable  
Conditions to Avoid: no data  
Incompatibility with other materials: Strong oxidizing agents  
Hazardous Decomposition Products: no data  
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
000067685	not listed	not listed
000885621	not listed	not listed
007647145	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

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
000067685	no	no
000885621	no	no
007647145	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	FL	MA	MI	MN	NJ	PA	WA
000067561	FL	MA	MN	NJ	PA	WA	WA
000067685	not listed						
000885621	not listed						
007647145	not listed						
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
000067685	not listed	not listed	not listed
000885621	not listed	not listed	not listed
007647145	not listed	not listed	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
000067685	not listed	not listed	not listed
000885621	not listed	not listed	not listed
007647145	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
000067685	Not listed	Not listed
000885621	Not listed	Not listed
007647145	Not listed	Not listed
007732185	Not listed	Not listed

#### Section 16: Other Information

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

End of MSDS