

# Material Safety Data Sheet

Complies with EC no. 1907/2006  
Issue Date: 11/15/2013

## Section 1: Chemical Product and Company Identification

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Cat#: PC8007  
Part Name: POTTING COMPOUND  
Supplier: Polysciences, Inc.  
400 Valley Road  
Warrington, PA 18976 USA  
MSDS Telephone #215-343-6484 Emergency only #215-378-4526

Identified uses: Laboratory use, manufacture of substances

## Section 2: Hazards Identification

Hazard Overview

Cancer hazard.

Causes skin, eye and respiratory tract irritation.

Environmental hazard.

Keep out of waterways.

May be irritant if swallowed

May cause allergic skin reaction.

May cause target organ or system damage - kidney.

May cause target organ or system damage - liver.

May cause target organ or system damage - lung.

GHS Classification

Acute Toxicity Oral Category 4

Carcinogen Category 1B

Skin Sensitizer Category 1B

Specific Target Organ Toxicity - Repeated or Prolonged Exposure Category 3

Signal word: Danger



## Hazard and Precautionary Statements

EUH401	To avoid risks to human health and the environment, comply with the instructions for use.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H317	May cause an allergic skin reaction.
H350	May cause cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H373	May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H412	Harmful to aquatic life with long lasting effects.

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P280A	Wear protective gloves
P285	In case of inadequate ventilation wear respiratory protection.
P301A	IF SWALLOWED do not induce vomiting. Do not give anything to drink. Obtain medical attention without delay.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305B	IF IN EYES, Separate eyelids with finger tips.
P314	Get medical advice/attention if you feel unwell.
P340	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P351	Rinse cautiously with water for several minutes.
P361	Remove/Take off immediately all contaminated clothing.

#### NFPA Rating

#### 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	1	0

#### Section 3: Composition/ Information on Ingredients

Note: Items listed with a CASRN... number have no CAS# available.

Item#	Name	EINECS	CAS#	% in product
1	(Hexamethyldisilazane)	213-668-5	0000999973	unknown
2	1,3-Isobenzofurandione, hexahydro-5-methyl-	243-072-0	0019438609	unknown
3	3-Cyclohexene-1-carboxylic acid, 3-cyclohexen-1-ylmethyl ester	220-031-5	0002611009	unknown
4	4,4'-(1-Methylethylidene)bis-, polymer with (chloromethyl) oxirane	Unknown	0025068386	unknown
5	7-Oxabicyclo[4.1.0]heptane-3-carboxylic acid, 7-oxabicyclo[4.1.0]hept-3-ylmethyl ester	219-207-4	0002386870	unknown
6	Benzenemethanaminium, N,N,N-triethyl-, chloride	200-270-1	0000056371	unknown
7	Carbon black	215-609-9	0001333864	unknown
8	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	Unknown	0009003365	unknown
9	Fused silica	262-373-8	0060676860	unknown
10	Methanol	200-659-6	0000067561	unknown
11	Monoepoxides of 3-Cyclohexenylmethyl-3-cyclohexene carboxylate	Unknown	CASRNHXKS3	unknown
12	Quartz	238-878-4	0014808607	unknown
13	Silane, dichlorodimethyl-, reaction products with silica	271-893-4	0068611449	unknown
14	Silane, trimethoxy[3-(oxyranlymethoxy)propyl]-	219-784-2	0002530838	unknown
15	Soluble Oligomer	Unknown	CASRNHXKS3	unknown

#### Section 4: First Aid Measures

Contact medical personnel if discomfort persists.  
 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 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.: >200F                      Method: estimated  
 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.

Use appropriate personal protective equipment.

**Section 7: Handling and Storage**

Dry ice shipment.

Store at -20 deg. C.

Store in a tightly closed container.

**Section 8: Exposure Controls/ Personal Protection**

**OSHA (ACGIH) Exposure Limits**

		TWA		STEL		CEILING	
		ppm	mg/	ppm	mg/m3	ppm	mg/m3
CAS#: 0000056371	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE
CAS#: 0000067561	IDLH: 6,000						
OSHA		ACGIH;CA	260	--	--	--	--
ACGIH		200	262	250	250	--	--
CAS#: 0000999973	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE
CAS#: 0001333864	IDLH: 1,750 mg/m3						
OSHA		Not classifi	3.5	--	--	--	--
ACGIH		--	3.5	--	--	--	--
CAS#: 0002386870	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE
CAS#: 0002530838	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE
CAS#: 0002611009	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE
CAS#: 0009003365	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE
CAS#: 0014808607	IDLH: 50 mg/m3						
OSHA		Not classifi	b	--	--	--	--
ACGIH		--	0.05d	--	--	--	--
CAS#: 0019438609	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE
CAS#: 0025068386	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE
CAS#: 0060676860	IDLH: --						
OSHA		Not classifi	--	--	--	--	--
ACGIH		--	0.1a	--	--	--	--
CAS#: 0068611449	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE
CAS#: CASRNHXKS3	IDLH: NE						

OSHA	NE	NE	NE	NE	NE	NE
ACGIH	NE	NE	NE	NE	NE	NE
CAS#: CASRNHXKS3 IDLH: NE						
OSHA	NE	NE	NE	NE	NE	NE
ACGIH	NE	NE	NE	NE	NE	NE

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.

Chemical-resistant gloves should be worn whenever this material is handled. The glove material has to be impermeable and resistant to the product. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough.

Rinse and remove gloves immediately after use. Wash hands with soap and water. All glove recommendations presume that the risk of exposure is through splash and not intentional immersion of the hands into the product.

Since glove permeation data does not exist for this material, no recommendation for the glove material can be given for the product.

Permeation data must be obtained from the glove manufacturer to determine if the glove is suitable for the task.

### 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
melting point:	no data	ph:	no data
solubility:	no data	appearance:	liquid

### Section 10: Stability and Reactivity

Chemical Stability stable

Conditions to Avoid: extreme heat

Incompatibility with other materials: strong oxidizing agents

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
0000056371	not listed	not listed
0000067561	U154	Methanol
0000999973	not listed	not listed
0001333864	not listed	not listed
0002386870	not listed	not listed
0002530838	not listed	not listed
0002611009	not listed	not listed
0009003365	not listed	not listed
0014808607	not listed	not listed
0019438609	not listed	not listed
0025068386	not listed	not listed
0060676860	not listed	not listed
0068611449	not listed	not listed
CASRNHXKS381A	not listed	not listed

**Section 14: Transportation Data**

Proper Shipping Name      NOT REGULATED

Chemical Name

UN

Class

PG

**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
0000056371	no	no
0000067561	Yes	no
0000999973	no	no
0001333864	no	no
0002386870	no	no
0002530838	no	no
0002611009	no	no
0009003365	no	no
0014808607	Yes	no
0019438609	no	no
0025068386	no	no
0060676860	no	no
0068611449	no	no
CASRNHXKS381A	no	no
CASRNHXKS381B	no	no

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

CAS#	
0000056371	not listed
0000067561	not listed
0000999973	not listed
0001333864	not listed
0002386870	not listed
0002530838	not listed
0002611009	not listed
0009003365	not listed
0014808607	not listed
0019438609	not listed
0025068386	not listed
0060676860	not listed
0068611449	not listed
CASRNHXKS3	not listed
CASRNHXKS3	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.
0000056371	not listed	not listed	not listed
0000067561	Methanol	1.0	not listed
0000999973	not listed	not listed	not listed

0001333864	not listed	not listed	not listed
0002386870	not listed	not listed	not listed
0002530838	not listed	not listed	not listed
0002611009	not listed	not listed	not listed
0009003365	not listed	not listed	not listed
0014808607	not listed	not listed	not listed
0019438609	not listed	not listed	not listed
0025068386	not listed	not listed	not listed
0060676860	not listed	not listed	not listed
0068611449	not listed	not listed	not listed
CASRNHXKS381A	not listed	not listed	not listed
CASRNHXKS381B	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)
0000056371	not listed	not listed	not listed
0000067561	not listed	not listed	not listed
0000999973	not listed	not listed	not listed
0001333864	not listed	not listed	not listed
0002386870	not listed	not listed	not listed
0002530838	not listed	not listed	not listed
0002611009	not listed	not listed	not listed
0009003365	not listed	not listed	not listed
0014808607	not listed	not listed	not listed
0019438609	not listed	not listed	not listed
0025068386	not listed	not listed	not listed
0060676860	not listed	not listed	not listed
0068611449	not listed	not listed	not listed
CASRNHXKS381A	not listed	not listed	not listed
CASRNHXKS381B	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)
0000056371	Not listed	Not listed
0000067561	Not listed	Not listed
0000067561	Methyl alcohol	5,000
0000999973	Not listed	Not listed
0001333864	Not listed	Not listed
0002386870	Not listed	Not listed
0002530838	Not listed	Not listed
0002611009	Not listed	Not listed
0009003365	Not listed	Not listed
0014808607	Not listed	Not listed
0019438609	Not listed	Not listed
0025068386	Not listed	Not listed
0060676860	Not listed	Not listed
0068611449	Not listed	Not listed
CASRNHXKS381A	Not listed	Not listed
CASRNHXKS381B	Not listed	Not listed

**Section 16: Other Information**

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END OF MSDS