

# Material Safety Data Sheet

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

## Section 1: Chemical Product and Company Identification

Page 1 of 4

Cat#: 22253

Part Name: POLYGLASS

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

Causes skin, eye and respiratory tract irritation.

Flammable liquid and vapor.

Harmful if inhaled, absorbed through skin or swallowed.

GHS Classification

Flammable Liquids Category 3

Skin Irritant Cat 2, Acute Inhalation Cat 4, Eye Irritation Cat 2B

Skin Irritant Cat 2, Acute Oral Toxicity Cat 4, Acute Inhalation Cat 4,

Signal word: Danger



Hazard and Precautionary Statements

H226	Flammable liquid and vapour.
H302 + H312	Harmful if swallowed or, in contact with skin or if inhaled
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.
P304A	IF INHALED: Begin rescue breathing if necessary and contact medical personnel.
P305B	IF IN EYES, Separate eyelids with finger tips.
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.
P501	Dispose of contents/container to proper waste area in accordance with institutional practices and local, state or federal regulations.

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
1	3	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	2-(2'-Hydroxy-5'-methylphenyl)benzotriazole	219-470-5	0002440224	0 - 5

2	4-Methoxyphenol	205-769-8	0000150765	0 - 5
3	Acrylic resin solids	Unknown	CASRNY2033	31 - 40
4	Butyl benzyl phthalate	201-622-7	0000085687	0 - 5
5	gamma-Methacryloxypropyltrimethoxysilane	219-785-8	0002530850	0 - 5
6	Toluene	203-625-9	0000108883	61 - 70

#### Section 4: First Aid Measures

Begin rescue breathing if necessary and contact medical personnel.

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.: 34

Method: CC

UEL: 7.1 LEL: 1.3

Autoignition temperature, deg. F.: no data

Flammability Classification: IB

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

##### OSHA (ACGIH) Exposure Limits

		TWA		STEL		CEILING	
		ppm	mg/	ppm	mg/m3	ppm	mg/m3
CAS#: 0000085687	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE
CAS#: 0000108883	IDLH: 500						
OSHA		ACGIH;CA	--	a	--	300a	--
ACGIH		50	188	--	--	--	--
CAS#: 0000150765	IDLH: --						
OSHA		Not classifi	--	--	--	--	--
ACGIH		--	5	--	--	--	--
CAS#: 0002440224	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE
CAS#: 0002530850	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE
CAS#: CASRNY20333	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:	22 mm Hg
Formula Weight:	nap	vapor density:	3.2
boiling point:	230	Specific gravity:	0.95
melting point:	no data	ph:	no data
solubility:	not soluble	appearance:	colorless viscous liquid

## Section 10: Stability and Reactivity

Chemical Stabilit stable  
Conditions to Avoid: high temperature, flame  
Incompatibility with other materials: 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
0000085687	not listed	not listed
0000108883	U220	Toluene
0000150765	not listed	not listed
0002440224	not listed	not listed
0002530850	not listed	not listed
CASRNY20333	not listed	not listed

## Section 14: Transportation Data

Proper Shipping Name	TOLUENE SOLUTION
Chemical Name	
UN	UN1294
Class	3
PG	II

## Section 15: Regulatory Information

All components of this product are on the TSCA public inventory.

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
0000085687	no	no
0000108883	Yes	yes
0000150765	no	no
0002440224	no	no
0002530850	no	no

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CASRNY20333	no	no
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State Regulatory Information :If a CAS# is listed below this material is subject to the listed state right-to-know requirements.

CAS#

0000085687	not listed
0000108883	not listed
0000150765	not listed
0002440224	not listed
0002530850	not listed
CASRNY20333	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.
0000085687	not listed	not listed	not listed
0000108883	Toluene	1.0	not listed
0000150765	not listed	not listed	not listed
0002440224	not listed	not listed	not listed
0002530850	not listed	not listed	not listed
CASRNY20333	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)
0000085687	not listed	not listed	not listed
0000108883	not listed	not listed	not listed
0000150765	not listed	not listed	not listed
0002440224	not listed	not listed	not listed
0002530850	not listed	not listed	not listed
CASRNY20333	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)
0000085687	Not listed	Not listed
0000085687	Butyl benzyl phthalate	100
0000108883	Not listed	Not listed
0000108883	Benzene, methyl-	1,000
0000108883	Toluene	1,000
0000150765	Not listed	Not listed
0002440224	Not listed	Not listed
0002530850	Not listed	Not listed
CASRNY20333	Not listed	Not listed

**Section 16: Other Information**

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END OF MSDS