

Material Safety Data Sheet

Issue Date: 10/23/2006

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Section 1: Chemical Product and Company Identification

Cat#: 21446

Part Name: BENZOYL PEROXIDE 70%

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	Benzoic acid	000065850	0.5
2	Benzoyl chloride	000098884	0.1
3	Benzoyl peroxide	000094360	70
4	Water	007732185	30

OSHA (ACGIH) Exposure Limits

CAS#	IDLH	TWA		STEL		CEILING	
		ppm	mg/	ppm	mg/m3	ppm	mg/m3
000065850	NE	NE	NE	NE	NE	NE	NE
000094360	1,500 mg/m3	Not classifi	5	--	--	--	--
000098884	--	Not classifi	--	--	--	0.5	2.9
007732185	NE	NE	NE	NE	NE	NE	NE

Section 3: Hazards Identification

Can violently decompose at high temperatures.
Causes skin, eye and respiratory tract irritation.
Impact or high temperatures can cause decomposition.
May cause allergic skin reaction.

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	2	3

Section 4: First Aid Measures

Brush off the skin.
Flush eyes with flowing water for at least 15 minutes.
If swallowed, induce vomiting as directed by medical personnel.
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.: >200	Method:
UEL: no data	Autoignition temperature, deg. F.: no data
LEL: no data	Flame Propagation Rate: no data
Flammability Classification: no data	
Hazardous Combustion Products: none	

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.

Remove ignition sources.

Section 7: Handling and Storage

Keep away from heat, sparks, and flame.

Material can ignite if dry. Do not allow material to completely dry.

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 process enclosures, local exhaust ventilation, or other engineering controls.

Section 9: Physical and Chemical Properties

Formula:	C14H10O4	vapor pressure:	no data
Formula Weight:	no data	vapor density:	no data
boiling point:	no data	Specific gravity:	0
melting point:	no data	ph:	no data
solubility:	insoluble	appearance:	white granules

Section 10: Stability and Reactivity

Chemical Stabilit unstable

Conditions to Avoid: heat; shock

Incompatibility with other materials: strong acids; alkalis; oxidizers; amines; reducing agents; promoters; accelerators.

Hazardous Decomposition Products: none

Hazardous Polymerization: will not occur

Section 11: Toxicological Information

Acute Data: LD50 oral rat >950 mg/Kg; LC50 inhalation rat 4 hr >22.4 mg/L; severely irritating to rabbit eyes; non-irritating to rabbit skin

Subchronic data: no data

Section 12: Ecological Information

LC50 guppy 96 hr 2.0 mg/L moderately toxic

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
000065850	not listed	not listed
000094360	not listed	not listed
000098884	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
000065850	no	no
000094360	no	no
000098884	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	PA			
000065850	FL	MA	PA			
000094360	FL	MA	MN	NJ	PA	WA
000098884	FL	MA	MN	NJ	PA	
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.
000065850	not listed	not listed	not listed
000094360	Benzoyl peroxide	1.0	not listed
000098884	Benzoyl chloride	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)
000065850	not listed	not listed	not listed
000094360	not listed	not listed	not listed
000098884	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)
000065850	Not listed	Not listed
000094360	Not listed	Not listed
000098884	Not listed	Not listed
007732185	Not listed	Not listed

Section 16: Other Information

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END OF MSDS