

Material Safety Data Sheet Issue Date: 10/30/2003

Section 1: Chemical Product and Company Identification

Cat#: 64040

Part Name: MICROBEAD NIST TRACEABLE PARTICLE SIZE STANDARD 1.50 um

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	Benzene, ethenyl-, homopolymer	009003536	1
2	Sodium azide	026628228	0.075
3	Water	007732185	99

OSHA (ACGIH) Exposure Limits

CAS#	IDHL	TWA		STEL		CEILING	
		ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
007732185	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE
009003536	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE
026628228	--						
	OSHA:	NIOSH	--	--	--	--	--
	ACGIH:	--	--	--	0.11c	0.29d	

Section 3: Hazards Identification

Low hazard for usual industrial or commercial handling.

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
0	----- 1	----- 0

Section 4: First Aid Measures

No first aid measures are indicated.

Section 5: Fire Fighting Measures

Flash point, deg F.: >200 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.

No special measures are indicated.

Section 7: Handling and Storage

Keep from freezing.

Store at 4 deg. C.

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. No special protection is indicated.

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
melting point: no data ph: no data
solubility: completely miscible appearance: opaque white liquid, which may stratify

Section 10: Stability and Reactivity

Chemical Stability: stable
Conditions to Avoid: no data
Incompatibility with other materials: no data
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
007732185	not listed	not listed
009003536	not listed	not listed
026628228	P105	Sodium azide

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
007732185	no	no
009003536	no	no
026628228	no	no

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

CAS#

007732185 not listed
009003536 not listed
026628228 FL MA MN PA WA

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.

007732185 not listed not listed not listed
009003536 not listed not listed not listed
026628228 Sodium azide 1.0 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)

007732185 not listed not listed not listed
009003536 not listed not listed not listed
026628228 Sodium azide (Na(N3)) 500 1,000

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

007732185 Not listed Not listed
009003536 Not listed Not listed
026628228 Not listed Not listed

Section 16: Other Information

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END OF MSDS