

# Material Safety Data Sheet

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## Section 1: Chemical Product and Company Identification

Date Prepared: 12/02/2008  
Catalog Code: **NT02N - NT40N**  
Product: **NIST Traceable Particle Size Standard**  
Supplier: Bangs Laboratories, Inc. / A Division of Polysciences, Inc.  
9025 Technology Drive  
Fishers, Indiana 46038

## Section 2: Composition / Information on Ingredients

Item#	Name	CAS#	% in Product
1	Benzene, ethyl-. homopolymer	009003536	1
2	Sodium azide	026628228	0.075
3	Water	007732185	99

### OSHA (ACGIH) Exposure Limits

CAS#	IDHL	TWA		STEL		CEILING	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
009003536	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE
026628228	--						
	OSHA:	NIOSH	--	--	--	--	--
	ACGIH:	--	--	--	--	0.11c	0.29d
007732185	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE

## Section 3: Hazard Identification

Low hazard for usual industrial or commercial handling.

Hazard Ratings: These ratings are Bangs Laboratories, Inc.'s 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.

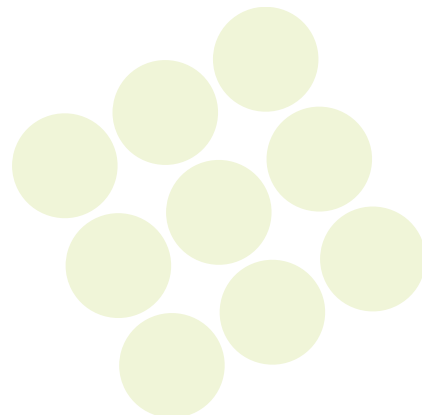
Health	Flammability	Reactivity
0	1	0

## 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:	no data
Flame Propagation:	no data
Hazardous Combustion Products:	no data



## Section 6: Accidental Release Measures

Any information given below is considered to be in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition source from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.

*Absorb liquids on absorbent material.*

## Section 7: Handling and Storage

Keep from freezing. Store at 2-8°C.

## Section 8: Exposure Controls and 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 measures are 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: none  
Incompatibility with Other Materials: none  
Hazardous Decomposition Products: none  
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 CRF 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 of in compliance with all Federal, State, and Local Regulations.

<u>CAS#</u>	<u>Waste Code</u>	<u>Regulated Name</u>
009003536	not listed	not listed
026628228	P105	Sodium azide
007732185	not listed	not listed

## Section 14: Transport Information

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 identifies those which are known to the State of California to cause reproductive toxicity.

<u>CAS#</u>	<u>Column A</u>	<u>Column B</u>
009003536	no	no
026628228	no	no
007732185	no	no

*State Regulatory Information:* If CAS# is listed below, this material is subject to listed state's right-to-know requirements.

<u>CAS#</u>	
009003536	not listed
026628228	FL MA MN NJ PA WA
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.

<u>CAS#</u>	<u>Regulated Name</u>	<u>de minimis conc. %</u>	<u>Rep. Thres.</u>
009003536	not listed	not listed	not listed
026628228	Sodium azide	1.0	not listed
007732185	not listed	not listed	not listed

*SARA Extremely Hazardous Substances and TPQs:* This list includes chemicals as defined in 29 CFR 1910.1200(c); and extremely hazardous substances regulated under Section 3-2 of SARA Title III with their TPQs (in pounds), as listed in 40 CFR 355, Appendices A and B.

<u>CAS#</u>	<u>Regulated Name</u>	<u>TPQ (pounds)</u>	<u>EHS-RQ (pounds)</u>
009003536	not listed	not listed	not listed
026628228	Sodium azide (NaN <sub>3</sub> )	500	1,000
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 or greater than its RQ, in any 24-hour period, must be reported to the National Response Center at (800) 424-8802.

<u>CAS#</u>	<u>Regulated Name</u>	<u>RQ (pounds)</u>
009003536	not listed	not listed
026628228	not listed	not listed
007732185	not listed	not listed

## Section 16: Other Information

BANGS LABORATORIES, INC. 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.

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**END OF MSDS**

