



SAFETY DATA SHEET

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Identifier:

Catalog Number: N7-97355, B7-10001, N1-00001, B7-10005, B7-10006
Product Descriptions: SpectroFlo®QC Beads
QbSure Beads
SpectroSort Beads

Product Details and Usage:

These materials are only for the purpose of technical analysis and/or scientific research. The health, toxicological, & eco-toxicological hazards of this substance have not been fully investigated; therefore, this substance must be handled only by, or under close supervision of those qualified in the handling and use of potentially hazardous substances. Not for domestic or food/drug/cosmetic use.

Supplier:

Cytek Biosciences
46107 Landing Pkwy
Fremont, CA 94538 U.S.A.
Tel: (510) 657-0102

Emergency Telephone Number: +1 (703) 741-5970 (CHEMTREC)

Fax: +1 (510) 657-0151

Telephone: +1 (877) 922-9835 toll-free

Preparation Information:

Cytek Biosciences Product Safety
+1 (877) 922-9835 toll-free

Section 2 - HAZARDS IDENTIFICATION

Emergency Overview:

No known OSHA hazards. Not a dangerous substance or mixture according to the Globally Harmonised System (GHS). Not classified as hazardous according to Regulation (EC) 1272/2008 (CLP/GHS) or Directive 67/548/EEC as amended. Caution: This substance has not been fully tested (EC).

HMIS Classification:

Health Hazard: 0
Chronic Health Hazard: 0
Flammability: 0
Physical Hazards: 0

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NFPA Rating:

Health Hazard: 0
Fire: 0
Reactivity Hazard: 0

Potential Health Effects:

Inhalation (power/mists): May be harmful if inhaled. May cause upper respiratory tract & mucous membrane irritation.
Skin and Eyes: May cause skin and eye irritation.
Ingestion: May be harmful if swallowed.
Environmental: May be harmful to the environment.

Label Elements:

None required according to regulation (EC) 1272/2008 (CLP/GHS) or Directive 1999/45/EC

Section 3 - COMPOSITION INFORMATION ON INGREDIENTS

Name	CAS Number	EC Number	Regulation (EC) 1272/2008 Hazard class, categ. Code, & hazard statements	Directive 67/548/EEC Class & R phrases	Percent (w/w) approx.
Water	7732-18-5	231-791-2	Not hazardous	Not hazardous	99.95%
Polystyrene beads organic dye stained	9003-53-6	500-008-9	Not hazardous	Not hazardous	0.02%
Sodium Azide	26628-22-8	247-852-1	Acute Tox. 2, H300 H310 H330 Aquatic Acute 1 H400; Aquatic Chronic 1 H410	T+; R28 R32 N; R50-53	0.02%
Tergitol-type NP-40	127087-87-0	500-315-8	No available data	Not hazardous	0.01%

Section 4 - FIRST AID MEASURES

Inhalation: Immediate fresh air & rest. Keep under observation and if breathing becomes difficult seek immediate medical attention. Resuscitate if breathing stops.
Skin Contact: Wash off immediately with soap and plenty of water, remove any contaminated clothing, and consult a physician.
Eye Contact: Flush eyes with water for at least 15 minutes and consult a physician.
If Swallowed: Rinse mouth with water and consult a physician immediately.

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Section 5 - FIRE FIGHTING MEASURES

Main Hazard: Forms combustible solid if allowed to dry out. Emits corrosive & toxic fumes, including oxides of carbon, & nitrogen during combustion.

Extinguishing Method: Use foam extinguishers or water spray.

Special Fire

Fighting Procedure: Wear self-contained breathing apparatus with full face shield operated in positive pressure mode, MSHA/NIOSH (approved or equivalent), and full protective gear.

Unusual Fire Hazards

& Explosion Hazards: May produce black acrid smoke if burned.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use protective equipment as detailed in section 8.

Environmental Precautions: No special environmental precautions required.

Spill/Leaks: Clean up spills using an absorbent, non-combustible material and gather up placing in a clean closed container for disposal. Do not wash away into sewers.

Section 7 - HANDLING AND STORAGE

Conditions for Safe Storage: Keep container tightly closed in a dry and well-ventilated place.

Special Requirements: Read the Suppliers' technical data sheet carefully before commissioning or using the product.

Section 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with Workplace Control Parameters:

No components above the 0.1% threshold have specific workplace control parameters assigned to our knowledge.

Local Mechanical Ventilation:

Not required as supplied, but this is also dependent on other mobile phases and analytes used. Always use a fume cupboard if handling as the dry power or where the liquid component may become airborne.

Personal Protective Equipment:

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Respiratory Protection: If required to control exposure, use only suitable respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand Protection: Suitable impervious gloves e.g. Nitrile or Neoprene rubber. The selected protective gloves must conform to EN 374.

Eye Protection: Safety glasses with side-shields conforming to EN 166

Hygiene Measures: Avoid contact of contents with skin, eyes, and clothing. Wash hand before breaks and immediately after handling the product.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Physical State: Dilute suspension of Polystyrene beads stained with organic dye in water with 0.01% NP40 and 0.02% Sodium Azide as preservative.

Color: Cloudy

Safety Data:

Order:	No information available
Order Threshold:	No information available
pH:	No information available
Vapor Pressure:	No information available
Vapor Density:	No information available
Relative Vapor Density:	No information available
Viscosity:	No information available
Boiling Point:	100 °C / 212 °F
Melting Point:	No information available
Decomposition Temperature °C:	No information available
Flash Point:	Not applicable
Ignition Temperature °C:	No information available
Autoignition Temperature °C:	No information available
Lower Explosion Limit:	No information available
Upper Explosion Limit:	No information available
Evaporation Rate:	No information available
Specific Gravity:	No information available
Water Solubility:	No information available
Partition Coefficient n-octanol/water:	No information available
Odor:	No information available
Odor Threshold:	No information available
Log Pow:	No information available

Section 10 – STABILITY AND REACTIVITY

Chemical Stability:

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Stable under recommended storage conditions.

Possibility of Hazardous Reactions:

No data available.

Conditions to Avoid:

Extreme heat.

Materials to Avoid:

Strong oxidizing agents, bases

Hazardous Decomposition:

Monomer may be formed if heated to high temperatures. May release toxic fumes including oxides of carbon and nitrogen.

Hazardous Polymerization:

Will not occur.

Section 11 – TOXICOLOGICAL DATA

Acute Toxicity: No data available.
Oral LD50: No data available.
Inhalation LC50: No data available.
Dermal LD50: No data available.
Other Information: No data available.

Skin Corrosion/Irritation:

No data available.

Respiratory or Skin Sensitization:

No data available.

Germ Cell Mutagenicity:

No data available.

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

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Reproductive Toxicity:

No data available.

Teratogenicity:

No data available.

Specific Target Organ Toxicity – Single Exposure (Globally Harmonized System):

No data available.

Specific Target Organ Toxicity – Repeated Exposure (Globally Harmonized System):

No data available.

Aspiration Hazard:

No data available.

Potential Health Effects:

Inhalation:	May be harmful if inhaled.
Skin contact:	May cause skin irritation.
Skin Absorption:	May be harmful if absorbed through skin.
Ingestion:	May be harmful if swallowed.

Signs and Symptoms of Exposure:

To the best of our knowledge, the toxicological properties of these materials have not been fully investigated.

Synergistic Effects:

No data available.

Additional Information:

RTECS: Not available.

Section 12 – ECOLOGICAL INFORMATION

Toxicity:

No data available.

Persistence and Degradability:

No data available.

Bioaccumulative Potential:

No data available.

Mobility in Soil:

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No data available.

PBT and vPvB Assessment:

No data available.

Other Adverse Effects:

To the best of our knowledge, the ecotoxicological properties of this mixture have not been fully investigated. However, the liquid may be harmful to the environment depending on the quantity and dilution involved.

Section 13 – DISPOSAL CONSIDERATIONS

Methods of disposal must meet all local, federal and state laws.

Section 14 – TRANSPORTATION INFORMATION

US-DOT:

Not classified as hazardous for any mode of transport.

IMO/IMDG:

Not classified as hazardous for any mode of transport.

IATA, IMO/IMDG, ADR/RID, US-DOT:

Not classified as hazardous for any mode of transport.

ADR/RID:

Not classified as hazardous for any mode of transport.

Section 15 – REGULATORY INFORMATION

OSHA Hazards:

No known OSHA hazards.

SARA 302 Components:

The following components are subject to reporting levels established by SARA Title III, Section 302:

	CAS-No.	Revision Date
Sodium azide	26628-22-8	2007-07-01

SARA 313 Components:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.



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SARA 311/312 Hazards:

No SARA hazards.

Reportable Quantity:

lowest RQ > 999999 lbs

Massachusetts Right To Know Components:

	CAS-No.	Revision Date
Sodium azide	26628-22-8	2007-07-01

Pennsylvania Right To Know Components:

	CAS-No.	Revision Date
Water	7732-18-5	
Sodium azide	26628-22-8	2007-07-01

New Jersey Right To Know Components:

	CAS-No.	Revision Date
Water	7732-18-5	
Sodium azide	26628-22-8	2007-07-01

California Prop. 65 Components:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Other Regulatory Information:

US (TSCA) Manufactured for Research and development only. Note: Chemical substances that are manufactured or imported in small quantities solely for the use in Research and Development are not subject to the notification requirements of the Toxic Substance Control Act (TSCA), 15 USC 2604 (h) et seq. Reference – 40CFR720.36

CAS# 026628-22-8 is listed on the TSCA Inventory.

Section 16 – OTHER INFORMATION

Date of Issue: September 4, 2019

Further Information:

Source material for the SpectroFlo QC Beads 2000 series product is manufactured by Spherotech. Safety data was kindly shared by Spherotech and re-printed here.

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knowledge and is applicable to the product regarding appropriate safety precautions. It does not represent any guarantee of the properties of the product. Cytek Biosciences and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.cytekbio.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.