HTFC™/iQue™ 8-Peak Validation Beads, 3.0 - 3.4 µm

1 Identification

GHS Product Identifier

HTFC™/iQue™ 8-Peak Validation Beads, 3.0 - 3.4 µm for use in Intellicyt flow cytometers.
Contains: polystyrene beads, sodium azide

Other means of identification

Product Code: 90295

Recomended use of the chemical and restriction on use

SU24 scientific research and development.
This product is manufactured and sold by IntelliCyt Corporation for research use only. The kit and components are not intended for diagnostic or therapeutic use.

Supplier's details

IntelliCyt Corporation
9620 San Mateo Blvd. NE
Albuquerque, NM 87113
USA

Emergency phone number

+1 505-345-9075

2 Hazard(s) identification

Classification of the substance or mixture

Categories 1A and 1B

GHS label elements

Warning

May be harmful if swallowed or in contact with skin

Causes eye irritation

Do not get in eyes, on skin, or on clothing.

Do not eat, drink or smoke when using this product.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

3 Composition/information on ingredients

Description	CAS Number	EINECS Number	%	Note

Polystyrene divinylbenze	9003-70-7	500-008-9	0
sodium azide	26628-22-8	262-822-8	0

4 First-aid measures

Description of necessary first-aid measures

Eye Exposure: Hold eye open and rinse slowly and gently flush with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Clothing and/or Skin Exposure: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice

If Inhaled: Move person to fresh air. Call a poison control center or doctor for further treatment advice.

If Swallowed: Call a poison control center or physician immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed

Symptoms and effects unlikely to be acute or delayed.

Indication of immediate medical attention and special treatment needed, if necessary

No additional special treatment.

5 Fire-fighting measures

Suitable extinguishing media

Extinguishing media: Use water spray (fog), foam, dry powder, or carbon dioxide, as appropriate for surrounding fire and materials.

Unsuitable extinguishing media: Strong water jet.

Specific hazards arising from the chemical

No hazards.

Special protective actions for fire-fighters

As with any fire, fire fighters wear self-contained breathing appartus and full protective gear to prevent contact with skin and eyes.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

If product is released or spilled, take proper precautions to minimize exposure by using appropriate personal protective equipment (see Section 8). Area should be adequately ventilated. Do not breathe mist/vapors/spray.

Environmental precautions

Do not empty into drains. Avoid release to the environment.

Methods and materials for containment and cleaning up

Dike area to contain spill. Maintain ventilation until all vapors have been eliminated. Take precautions as necessary to prevent contamination of ground and surface waters. If vials are crushed or broken, DO NOT CAUSE MATERIAL TO BECOME AIRBORNE. For small spills, wear gloves and soak up material with absorbent, e.g., paper towels. For large spills, cordon off spill area and minimize the spreading of spilled material. Soak up material with absorbent. Collect spilled material, absorbent, and rinse water into suitable containers for proper disposal in accordance with applicable waste disposal regulations (see Section 13). Decontaminate the area twice.

7 Handling and storage

Precautions for safe handling

Use only in well-ventilated areas. Handle and open container with care. Always close containers tightly after removal of product.

Follow recommendations for handling pharmaceutical agents (i.e., use of engineering controls and/or other personal protective equipment if needed). Avoid contact with skin, eyes and clothing. Provide eye shower and label its location conspicuously. Wash hands and face before breaks and after working with product. When using product, do not eat, drink, smoke, sniff.

Conditions for safe storage, including any incompatibilities

Store at 2 to 8º C

8 Exposure controls/personal protection

Control parameters

Facilities storying or using this material should be equipped with eyewash facility and a safety shower. Use process enclosures and local exhaust ventilation.

Appropriate engineering controls

Follow the usual precautionary measures for handling chemicals. Keep away from food and beverages. Wash hands before breaks and at the end work.

Individual protection measures

Respiratory protection: Respiratory protection is not required.

Hand protection: Handle with gloves. Inspect gloves prior to use.
Gloves: Natural latex, Natural rubber, Nitrile.
Use proper glove removal technique (without touching glove's surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Skin protection: Choose skin protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. For this product wear lab coat.

Eye/face protection: Wear safety glasses with side shields, chemical splash goggles, or full face shield, if necessary. Base the choice of protection on the job activity and potential for contact with eyes or face. An emergency eye wash station should be available.

Environmental Exposure Controls: Avoid release to the environment and operate within closed systems wherever practicable. Air and liquid emissions should be directed to appropriate pollution control devices. In case of spill, do not release to drains. Implement appropriate and effective emergency response procedures to prevent release or spread of contamination and to prevent inadvertent contact by personnel.

Other protective measures: Wash hands in the event of contact with this product/mixture, especially before eating, drinking or smoking. Protective equipment is not to be worn outside the work area (e.g., in common areas or out-of-doors).

9 Physical and chemical properties

Physical and chemical properties

Physical State	Dilute suspension of 3.0-3.4 µm polystyrene beads, in water, with 0.02% sodium azide as preservative.
Appearance	Cloudy suspension
Odor	no odor
pH	N/A
Melting Point/Range	N/A
Boiling Point/Range	N/A
Flash Point	N/A
Evaporation Rate	N/A
Flammability (solid,gas)	Non-flammable
Vapor Pressure	N/A
Vapor Density	N/A
Specific Gravity	N/A
Solubility	non-soluble

10 Stability and reactivity

Reactivity

Non-reactive.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No hazardous reactions.

Conditions to avoid

None.

Incompatible materials

No incompatible materials.

Hazardous decomposition products

No hazardous decompoistion.

11 Toxicological information

Toxicological (health) effects

Mild skin irritant.

Numerical measures of toxicity (such as acute toxicity estimates)

No data available.

Interactive effects

No data available.

Information on the likely routes of exposure

Absorbed through skin. Eye contact. Inhalation. Ingestion.

Symptoms related to the physical, chemical and toxicological characteristics

Hazardous in case of skin contact (irritant), of ingestion. Hazardous in case of skin contact (corrosive), of eye contact (corrosive). Slightly hazardous in case of inhalation (lung sensitizer, lung corrosive).

Delayed and immediate effects and also chronic effects from short and long term exposure

Mutagenicity: No evidence of a mutagenic effect.
Teratogenicity: No evidence of a teratogenic effect (birth defect).
Sensitization: No evidence of a sensitization effect.
Reproductive: No evidence of negative reproductive effects.

12 Ecological information

Toxicity

To Daphnia and other aquatic invertebrates
EC50 – Daphnia pulex (Water flea) – 4.2mg/l – 48h

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effect.

13 Disposal considerations

Disposal methods

Dispose of waste according to directive 2008/98/EC, covering waste and dangerous waste. Do not send down

the drain or flush down the toilet. All wastes containing the material should be properly labeled. Rinse waters resulting from spill cleanups should be discharged in an environmentally safe manner, e.g., appropriately permitted municipal or on- site wastewater treatment facility.

14 Transport information

UN Number

UN1687

15 Regulatory information

16 Other information

Other information