

1 Identification

GHS Product Identifier

IntelliCyt In-Well Marker Beads

Contains: phosphate buffered saline (sodium phosphate dibasic, potassium diphosphate, water) + 1% BSA; polystyrene beads organic dye-stained, sodium azide 0.02%

Other means of identification

Product Code: 90040, 90041, 90042, 90043, 90044

Product Name: In-Well Marker Beads (FL1/BL1, FL2/BL2, FL3/BL4, FL4/RL1)

Recommended 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 NE
Albuquerque, NM 87113
USA

Emergency phone number

+1 505-345-9075

2 Hazard(s) identification

Classification of the substance or mixture

Category 1A and 1B

GHS label elements

May cause an allergic skin reaction

Causes eye irritation

May cause respiratory irritation

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

Wash hands thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

If eye irritation persists: Get medical advice/attention.

Store in a dry place. Store in a closed container.

3 Composition/information on ingredients

| Description | CAS Number | EINECS Number | % | Note |
|---------------------------------------|------------|---------------|---|------|
| Polystyrene Beads Organic Dye Stained | 9003-53-6 | 500-008-9 | 0 | |
| sodium azide | 26628-22-8 | 262-822-8 | 0 | |
| water | 7732-18-5 | 231-791-2 | 0 | |
| sodium phosphate dibasic | 7558-79-4 | 231-448-7 | 0 | |
| sodium phosphate dibasic | 7558-79-4 | 231-448-7 | 0 | |

4 First-aid measures

Description of necessary first-aid measures

After Inhalation: Seek medical attention if there are complaints.

After skin contact: Wash with soap and water and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms of irritation persist, consult physician.

If ingested: Call a physician immediately. Do not induce vomiting unless directed by medical personnel.

Information for physician: Show this SDS.

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

N/A

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

Flammability/Explosivity: Not expected to be flammable or explosive.

Specific hazards arising from the substance or mixture: No information identified.

Special protective actions for fire-fighters

As with any fire, fire fighters wear self-contained breathing apparatus 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, 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 room temperature. Do not reuse container.

8 Exposure controls/personal protection

Control parameters

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

Appropriate engineering controls

Use mechanical exhaust or laboratory fumehood to avoid exposure.

Individual protection measures

Respiratory protection: Respiratory protection is not required.

Hand protection: Handle with gloves. Inspect gloves prior to use. 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

Form: Liquid. A dilute suspension of polystyrene beads in water with 0.02% sodium azide as preservative.

Color: A yellow solution.

Melting point/ Melting range: Beads, typically, ca. 240 C

Boiling Point/Boiling Range: No data

Auto Igniting: No data.

Danger of Explosion: LEL-no data. UEL-no data. No danger of explosion

Vapor Pressure: No information identified.

Density: No information identified.

pH Value: 5-8

Flash point: No information identified.

Evaporation rate: No information identified.

Flammability (solid, gas): Not applicable.

Upper/lower flammability or explosive limits: No information identified.

Vapor pressure: No information identified

Vapor density: No information identified.

Relative density: No information identified.

Water solubility: Fully soluble in water.

Solvent solubility: No information identified.

Partition coefficient (n-octanol/water): No information identified.

Auto-ignition temperature: No information identified.

Decomposition temperature: No information identified.

Viscosity: No information identified.

Oxidizing properties: No information identified.

Molecular weight: Not applicable (Mixture)

Molecular formula: Not applicable (Mixture)

10 Stability and reactivity

Reactivity

No data available.

Chemical stability

Stable

Possibility of hazardous reactions

Reacts with strong oxidizing agents.

Conditions to avoid

Keep away from incompatible materials.

Incompatible materials

Heavy metals may form explosive azides. Keep away from heat.

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. Nature of decomposition products not known.

11 Toxicological information

Toxicological (health) effects

Mild skin irritant.

Numerical measures of toxicity (such as acute toxicity estimates)

No data available.

Interactive effects

No interactive effects.

Where specific chemical data are not available

N/A

Mixtures

N/A.

Mixture versus ingredient information

N/A.

Information on the likely routes of exposure

Contact exposure to unprotected skin or eyes.

Symptoms related to the physical, chemical and toxicological characteristics

Skin: May cause skin irritation.

Eyes: Eye irritant.

Respiratory System: May be irritating to the respiratory system if inhaled.

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

Excessive inhalation may cause bronchial irritation, coughing and nausea.

12 Ecological information

Toxicity

Runoff from fire control or dilution water may cause pollution.

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Other adverse effects

N/A

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

None assigned.

UN Proper Shipping Name

None assigned.

Transport hazard class(es)

None assigned.

Packing group, if applicable

None assigned.

Environmental hazards

Based on the available data, this product/mixture is not regulated as an environmental hazard or a marine pollutant.

Special precautions for user

Avoid release into the environment.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

15 Regulatory information**Safety, health and environmental regulations specific for the product in question**

This SDS complies with the requirements under US, EU and GHS (EU CLP - Regulation EC No 1272/2008) guidelines. Consult your local/regional authorities for more information.

16 Other information**Other information**

The statements contained herein are offered for informational purposes only and are based upon technical data. IntelliCyt Corporation believes them to be accurate at the date of publication, but does not purport to be all-inclusive. The above-stated product is intended for use only by persons having the necessary technical skills and facilities for handling the product at their discretion and risk. Since conditions and manner of use are outside our control, we (IntelliCyt Corporation) make no warranty of merchantability or any such warranty, express or implied with respect to information and we assume no liability resulting from the above product or its use. Users should perform their own investigations to determine suitability of information and product for their particular purposes.