



## SAFETY DATA SHEET

### Section 1: IDENTIFICATION

**Product identifier:** INFINITI<sup>®</sup> Hybridization Buffers

**Other Name:** INFINITI<sup>®</sup> Hybridization Buffer 1, INFINITI<sup>®</sup> Hybridization Buffer 2, INFINITI<sup>®</sup> Hybridization Buffer 3

**Catalog Number:** 12-0570-00, 12-0580-00, 12-0720-00

**Recommended Use:** For use in Laboratories. Refer to Product Insert or Application Notes.

**Manufacturer:** **AutoGenomics, Inc.**  
1600 Faraday Ave.  
Carlsbad, CA 92008

**Telephone No:** 1-760-477-2248  
**Toll Free:** 1-866-782-8639  
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**Email:** [www.autogenomics.com](http://www.autogenomics.com)

**Emergency Telephone:** 1-866-782-8639

### Section 2: HEALTH HAZARD INFORMATION

**OSHA/HCS Status:** This SDS should be retained and available for employees and other users of this product.

GHS- Classification



Signal Word: DANGER when combined with copper or lead plumbing

Health hazards: Not hazardous

Physical hazards: Not hazardous

Principle Routes of Exposure

Potential Health Effects:

- Eyes: May cause eye irritation in susceptible persons
- Skin contact: May cause irritation to skin in susceptible persons
- Inhalation: May be harmful by inhalation
- Ingestion: May be harmful if swallowed

Specific Effects:

- Carcinogenic Effects: None
- Mutagenic effects: None
- Reproductive toxicity: None

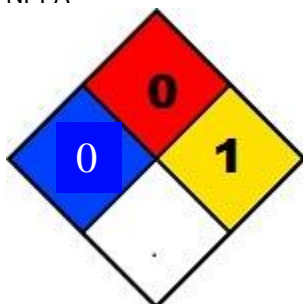


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- Sensitization: None
- Target Organ effects: No known effects under normal use conditions.

Other hazards: None known.

NPFA



HMIS

Health	0
Flammability	0
Reactivity	1

### Section 3: CONPOSITION/ INFORMATION ON INGREDIENTS

Substances/ Mixtures: Mixture

Ingredient	CAS Number	% Wt
Tag PosC-CY5	NA	Proprietary
EDTA	60-00-4	1.0-3%
PEG	25322-68-3	0-1.25%
PVP	9003-39-8	0-1%
Sodium Citrate	6132-04-3	0-0.5 %
Sodium Chloride	20510-55-8	0-0.9 %
Sodium Azide	26628-22-8	<0.1%
Sorbitol	50-70-4	0-20%
Tween	NA	0-0.1%

Sodium azide may react with lead and copper plumbing to form highly explosive metal azides. We recommend handling all chemicals with caution.

### Section 4: FIRST AID MEASURES

#### Description of first aid measures

##### Eyes:

- Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention; if symptoms persist.

##### Skin:

- Immediately flush skin with plenty of water for at least 15 minutes.
- If irritation develops, seek medical attention.



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### Inhalation:

- Move to fresh air. If not breathing, administer artificial respiration; immediately get medical attention

### Ingestion:

- Do **NOT** induce vomiting unless directed to do so by medical personnel
- Never give fluids or induce vomiting if a person is unconscious or convulsing
- If large quantities of this material are swallowed, call 911 or a physician immediately

## Section 5: **FIRE** and **EXPLOSION** INFORMATION

### **Extinguishing media:**

Use dry chemical or carbon dioxide, or foam

### **Special hazards arising from the substance or mixture:**

Non-flammable. No information available.

### **Advice for firefighters:**

Wear self-contained breathing apparatus for firefighting if necessary. Dilute with copious amounts of water. May be explosive if mixed with copper or lead plumbing.

### **Special Protective Equipment or Precautions for firefighters:**

No special equipment necessary.

## Section 6: **ACCIDENTAL RELEASE MEASURES**

### **Use of Personal Precaution, Protective Equipment and Emergency Procedures**

Wear appropriate protective clothing or equipment.

### **Environmental precautions**

No relevant information available.

### **Methods and Materials Used for Containment and Cleanup procedures**

Place in a waste disposal container in compliance with national/state regulations. Do not pour down the sink. Sodium azide can be explosive when mixed with a copper or lead plumbing.



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### Section 7: HANDLING AND STORAGE

#### Precaution for safe handling

Always wear recommended Personal Protective Equipment. No special precautions are necessary if used correctly. Follow application notes and package insert for recommendation of handling product for usage.

#### Advice on General Occupational Hygiene:

Eating, drinking and smoking should be prohibited in areas where this material is handled stored and processed. Follow good industrial hygiene practices and wash hands after handling.

#### Recommendations on the condition for safe storage, including any incompatibilities

Store in the original container according to the labeling.

### Section 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

#### Control Parameters

Exposure Limits or threshold limits: None  
Prevent product from entering drains.

#### Engineering Controls: General protective and hygienic measures.

The usual precautionary measures for handling chemicals should be followed.

#### Personal Protective Equipment

Wear gloves, safety glasses and protective clothing to minimize skin and eye contact.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear colorless liquid
<b>Flammability or Explosive Limits:</b>	May be explosive when exposed to copper or lead
<b>Odor</b>	No odor
<b>Vapor pressure</b>	Not determined
<b>Odor threshold</b>	Not determined
<b>Vapor density</b>	Not determined
<b>pH</b>	Not determined
<b>Relative density</b>	Not determined
<b>Melting point/ freezing point</b>	Not determined
<b>Solubility</b>	Not determined
<b>Initial boiling point and boiling range</b>	Not determined
<b>Flash point</b>	Not determined
<b>Evaporation rate</b>	Not determined
<b>Flammability (solid, gas)</b>	Not flammable
<b>Partition coefficient: n-octanol/water</b>	Not determined
<b>Auto-ignition temperature</b>	Product is not self-igniting
<b>Decomposition temperature</b>	Not determined
<b>Viscosity</b>	Not determined



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### Section 10: STABILITY AND REACTIVITY

Reactivity	Can be explosive if exposed to copper or lead when poured down the sink
Chemical Stability	The product is stable under normal conditions.
Possibility of Hazardous reactions	Hazardous reactions will not occur under normal conditions and use.
Conditions to avoid	Oxidizing agents and excessive heat.
Incompatible material	Not determined
Hazardous decomposition products	Hazardous decomposition or by products will not occur under normal conditions.

### Section 11: TOXICOLOGICAL INFORMATION

#### Information on toxicological effects

**Acute toxicity:** LD50: 27 mg/kg (rat) of Sodium azide

**Information on the likely routes of exposure:** Dermal contact, eye contact and ingestion.

#### Potential Health Effects:

<b>Eyes:</b>	May cause eye irritation with susceptible persons
<b>Skin</b>	May cause skin irritation with susceptible persons
<b>Inhalation</b>	May be harmful by inhalation
<b>Ingestion</b>	May be harmful if swallowed

<b>Carcinogenicity</b>	There is no data available
<b>Mutagenic effects</b>	There is no data available
<b>Reproductive toxicity:</b>	There is no data available

**Specific target organ toxicity:** There is no data available

### Section 12: ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Contains no substances known to <del>be</del> hazardous to the environment or not degradable in waste water treatment plants
<b>Persistence and degradability</b>	Soluble in water, persistence is unlikely
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	Likely to be mobile in the environment due to its water solubility.
<b>Results of PBT and vPvB assessment</b>	No data available
<b>Other adverse effects</b>	None known.
<b>Chemicals as potential carcinogens listed in</b>	
NTP Report,	No data available
IARC	No data available
OSHA	No data available



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### Section 13: DISPOSAL CONSIDERATIONS

#### Waste Disposal Method

- Follow federal, state and local government requirements for disposal.
- US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3.
- Do not dispose into copper or lead plumbing.

### Section 14: TRANSPORTATION INFORMATION

<b>UN number and proper shipping name</b>	none
<b>TDG Class:</b>	Not a dangerous good for transport regulations
<b>D.O.T.</b>	Not a dangerous good for transport regulations
<b>IATA</b>	Not a dangerous good for transport regulations

### Section 15: REGULATORY INFORMATION

#### U.S. Federal Regulations:

##### SARA 313:

This product contains the following toxic chemicals(s) subject to the notification requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986. This law requires certain manufacturers to report on annual emissions of specified chemicals and chemical categories. Please note that if you repackage, or otherwise redistribute this product to ~~industrial~~industrial customers, a notice similar to this one should be sent to those customers;

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>SARA 313 Threshold Values</u>
Sodium azide	26628-22-8	<0.1%	1.0

**TSCA** (Toxic Substances Control Act): Sodium azide is listed.

**Clean Water Act (40 CFR 122.21 and 122.42):** Not applicable

**Clean Air Act**, Section 112 This product does not contain Hazardous Air Pollutants

#### U.S. State Regulations

Chemical Name	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK	Illinois - RTK	Rhode Island - RTK
Sodium azide	Listed	Listed	Listed		Listed
PVP		Listed	Listed		
PEG		Listed	Listed		
D-Sorbitol (D-Glucitol)		Listed	Listed		

This product does not contain any chemicals listed under California Proposition 65

#### International Regulations

##### WHMIS Classification:

Non controlled substance.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.



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### Section 16: OTHER INFORMATION

***This material is not intended for food, household, agricultural or cosmetic use. The information in this SDS is correct to the best of our knowledge. Users should make independent decisions regarding completeness of the information based on all sources available. AutoGenomics shall not be held liable for reliance on the information provided in this SDS and/or any damage resulting from the handling or contact with the above named products.***

Key Legend Information:

N/A – Not Applicable

ND – Not Determined