AutoGenomics

SAFETY DATA SHEET

Follows OSHA GHS/ EU 2015/830, CLP 1272/2008

Section 1: IDENTIFICATION

Product identifier: INFINITI® Wash Buffer

Other Name: INFINITI® BF2 Solution,

Catalog Number: 12-0010-00, 12-0020-00, 12-0020-02, ***12-0030-00, *12-0030-02**, 12-0330-00, 12-0380-00, 12-0380-02, 12-0390-00
***Contains Sodium Azide**

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
FAX: 1-760-477-2252
Email: 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 for Sodium azide**.

Health hazards Statement: Buffers without Sodium azide are non-hazardous.
***Buffer with Sodium azide**

- H271: May cause fire or explosion; strong oxidizer
- H301: Toxic if swallowed
- H316: Causes mild skin irritation
- H319: Causes serious eye irritation
- H333: May be harmful if inhaled
- H401: Toxic to aquatic life

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

Other hazards: None known.

NPFA

HMIS

Health	1 (for Sodium azide)
Flammability	0
Reactivity	1 (for Sodium azide)

Section 3: CONPOSITION/ INFORMATION ON INGREDIENTS

Substances/ Mixtures: Mixture

Ingredient	CAS Number	% Wt
Tag PosC-CY5	NA	Proprietary
EDTA	60-00-4	0.2-3%
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 (for 12-0030)	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.

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 EXPLOSTION 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 for products containing Sodium azide**.

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
Soak up with inert absorbent material. 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.**

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 with Sodium azide 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

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

Section 10: STABILITY AND REACTIVITY

Reactivity	Can be explosive if exposed to copper or lead when poured down the sink for products with Sodium azide.
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) for Sodium azide

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

Potential Health Effects:

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

Carcinogenicity	There is no data available
Mutagenic effects	There is no data available
Reproductive toxicity:	There is no data available
Specific target organ toxicity:	There is no data available

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity	Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants
Persistence and degradability	Soluble in water, persistence is unlikely
Bioaccumulative potential	No data available
Mobility in soil	Likely to be mobile in the environment due to its water solubility.
Results of PBT and vPvB assessment	No data available
Other adverse effects	None known.

Chemicals as potential carcinogens listed in

NTP Report,	No data available
IARC	No data available
OSHA	No data available

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

UN number and proper shipping name	none
TDG Class:	Not a dangerous good for transport regulations
D.O.T.	Not a dangerous good for transport regulations
IATA	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 customers, a notice similar to this one should be sent to those customers:,

Chemical Name	CAS No.	Weight %	SARA 313 Threshold Values
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.

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

Prepared by Regulatory Affairs, AutoGenomics, Inc.

Rev	**Change**	CO #	Effective Date
A	Initial Doc with GHS and EU standards	3952	August 2017

End of SDS