Safety Data Sheet

1. Product and Company Identification

Product Identifier

Product Name: System Diluent

Product Code: AW-SA1021D

Recommended Use: For diluting samples.

Company

Diamond Diagnostics Inc.
333 Fiske Street
Holliston, MA 01746

Company Phone Number 508-429-0450
Email support@diamonddiagnostics.com

Emergency Telephone No: 508-429-0450

2. Hazards Identification

GHS- Classification

Classification Skin Irritant, Eye Irritant, Health Hazard, Environmentally Damaging

Hazard Statements

H300 + H310	Fatal if swallowed or in contact with skin.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H373	May cause damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long-lasting effects.

Precautionary Statements

P260	Do not breathe dust/fumes/gas/mist/vapors/spray.
P262	Do not get in eyes, on skin or on clothing.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310 + P330	IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician. Rinse mouth.
P302 + P350 + P310	IF ON SKIN: Gently wash with plenty of soap and water. Immediately call a POISON CENTER/doctor/physician.
P314	Get Medical advice/attention if you feel unwell.
P362	Take off contaminated clothing.
P391	Collect spillage.
P405	Store locked up.
P501	Dispose of contents/container to an approved waste disposal plant.

3. Composition/Information on ingredients

Chemical Name	EC No.	Reach Reg. No.	CAS-No.	Weight %	Classification
Sodium Azide	247-852-1	011-004-00-7	26628-22-8	< 0.5%	Acute Tox. 2; Acute Tox 1; STOT RE 2; Aquatic Acute 1; Aquatic Chronic 1; H300 + H310, H373, H410
Poly (oxy-1,2-ethanediyl), alpha –[4-(1,1,3,3-tetramethylbutyl)phenyl]-omega.-hydroxy-	Not available	Not available	9002-93-1	< 1%	Not available

4. First Aid Measures

Eye Contact — Rinse thoroughly with plenty of water for at least 15 minutes and consult physician. Continue rinsing eyes during transport to hospital.

Skin Contact — Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Consult a physician.

Inhalation — Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

Ingestion — Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Clean mouth with water and afterwards drink plenty of water. Consult a physician.

Notes to Physician — Treat symptomatically

5. Fire-Fighting Measures

Flammable Properties — No information available

Flash Point — No information available

Suitable Extinguishing Media — Suitable for surrounding fire

Hazardous Combustion Products — Sodium Azide may react with lead or copper wiring to form highly explosive metal azides

Protective Equipment and Precautions for Firefighters — Wear self-contained breathing apparatus for firefighting if necessary

6. Accidental Release Measures

Personnel Precautions — Use personnel protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

Methods for Containment & Cleaning — Absorb spills with inert material or flush into drain with copious amounts of water. Wash site of spill with soapy water. Dispose of in accordance with applicable federal, state, and local laws and regulations.

Environmental Precautions — Do not let product enter drains.

7. Handling and Storage

Handling — Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition – No Smoking. Take measures to prevent buildup of electrostatic charge.

Storage — Store as recommended on product label.

Specific use — See Section 1 – Recommended Use

8. Exposure Controls / Personnel

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Azide 26628-22-8	Not listed	Not listed	Not listed
Poly (oxy-1,2-ethanediyl), alpha –[4-(1,1,3,3-tetramethylbutyl)phenyl]-omega-hydroxy- 9002-93-1	Not listed	Not listed	Not listed

Engineering Measures — Showers
Eye Wash Stations
Ventilation Systems

Personnel Protective Equipment

Eye/Face Protection	Safety goggles with side-shields
Skin Protection	Wear protective gloves/clothing
Respiratory Protection	If exposure limits are exceeded or irritation is experienced; NISOH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required high airborne containment concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hygiene Measures	Complete suit protecting against chemicals, Flame resistant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Environment Exposure	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9. Physical and Chemical Properties

Appearance	Clear Liquid
Odor	Odorless
Odor Threshold	No information available
pH	No information available
Melting Point	No information available
Freezing Point	0°C
Initial Boiling Point	Approx. 100 °C
Flash Point	No information available
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Upper/Lower flammability or explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Water Solubility	100%
Partition coefficient: (n-octanol/water)	No information available
Auto-ignition temperature	No information available
Decomposition Temperature °C	No information available
Viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

10. Stability and Reactivity

Reactivity	Products with Sodium Azide component may burn eyes with contact. Sodium Azide will also cause skin irritation, respiratory and digestive tract irritation.
Chemical Stability	Stable
Incompatible Materials	Strong acids, strong bases, strong oxidizing agents
Hazardous Decomposition Products	None
Hazardous Polymerization:	Will not occur
Conditions to avoid:	Avoid exposure to heat and light

Suggested Storage: Store as recommended on product label

11. Toxicological Information

Acute Toxicity Oral rat for Sodium Azide-27 mg/Kg

Chronic Toxicity Irritation of affected area

Target Organ Effects No information 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.

ACGIH: 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 ACGIH.

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 NTP.

12. Ecological Information

Ecotoxicity Toxic to fish, daphnia and other aquatic invertebrates.

13. Disposal Considerations

Waste Disposal Method In accordance with applicable federal, state, and local laws and regulations.

Contaminated Packaging In accordance with applicable federal, state, and local laws and regulations.

14. Transport Information

IATA Not regulated

DOR Not regulated

15. Regulatory Information

SARA 302 Components No chemicals in this material are subject to reporting requirements of SARA Title III, Section 302.

SARA 313 Components The following components are subject to reporting levels established by SARA Title III, Section 313.

	CAS-No.	Revision Date:
Sodium Azide	26628-22-8	2007-07-01
Poly (oxy-1,2-ethanediyl), alpha –[4-(1,1,3,3-tetramethylbutyl)phenyl]-omega-hydroxy-	9002-93-1	

SARA 311/312 Hazards Acute Health Hazard

Massachusetts right to know components

	CAS-No.	Revision Date:
Sodium Azide	26628-22-8	2007-07-01
Poly (oxy-1,2-ethanediyl), alpha –[4-(1,1,3,3-tetramethylbutyl)phenyl]-omega-hydroxy-	9002-93-1	

Pennsylvania right to know components

	CAS-No.	Revision Date:
Sodium Azide	26628-22-8	2007-07-01
Poly (oxy-1,2-ethanediyl), alpha –[4-(1,1,3,3-tetramethylbutyl)phenyl]-omega-hydroxy-	9002-93-1	

New Jersey right to know components

	CAS-No.	Revision Date:
Sodium Azide	26628-22-8	2007-07-01
Poly (oxy-1,2-ethanediyl), alpha –[4-(1,1,3,3-tetramethylbutyl)phenyl]-omega-hydroxy-	9002-93-1	

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.

16. Other Information

Issuing Date	08-January-2009
Revision Date	30-November-2015
Revision Note	No information available
Recommended Restrictions	No Restrictions

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in text.