

1. Product and Company Identification

Product Identifier

Product Name: System Cleaning Solution

Product Code: HT-1131079D

Recommended Use: For cleaning ISE system

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 Corrosive, Skin Irritant, Eye Irritant



Hazard Statements

H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H402 Harmful to aquatic life.

Precautionary Statements

P234 Keep in original container.
P260 Do not breathe dust or mist.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using product.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302 + P352 IF ON SKIN: Wash with plenty of water.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
P330 Rinse mouth.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing.
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.
P405 Store locked up.
P406 Store in a corrosive resistant stainless container with a resistant inner liner.
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 Hydroxide	215-185-5	01-2119457892-27-XXXX	1310-73-2	< 0.2%	Met. Corr. 1; Skin Corr. 1A; Eye Dam. 1; Aquatic Acute 3; H290, H314, H318, H402

5-Bromo-5-Nitro-1,3-dioxane	250-001-7	Not available	30007-47-7	< 5%	Acute Tox. 4; Skin Irrit. 2; H302, H315
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4. First Aid Measures

Eye Contact	Flush affected area with copious amounts of water.
Skin Contact	Flush affected area with copious amounts of water.
Inhalation	No information available
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	Approx. 100 °C
Suitable Extinguishing Media	Suitable for surrounding fire
Hazardous Combustion Products	Reacts with Oxidizable materials
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	Soak up with non-combustible absorbent material. Rinse affected area with copious amounts of 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.
Storage	Keep container closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Specific use	See Section 1 – Recommended Use

8. Exposure Controls / Personnel

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Hydroxide 1310-73-2	C 2.000000 mg/m ³	TWA 2.000000 mg/m ³	C 2.000000 mg/m ³
5-Bromo-5-Nitro-1,3-dioxane 30007-47-7	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; NIOSH/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 to slight Yellow Liquid
Odor	Chlorine
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	Approx. 100 °C
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	No information available
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	No information available
Chemical Stability	Stable
Incompatible Materials	Acids, Ammonia, Metals, Oxidizable materials and Chlorinated Isocyanurates
Hazardous Decomposition Products	Chlorine, Hydrochloric Acid, Hypochlorous Acid and Oxygen
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	No information available
Chronic Toxicity	Irritation of affected area.
Target Organ Effects	No information available
Carcinogenicity	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>

12. Ecological Information

Ecotoxicity	Toxic to fish, daphnia and other aquatic invertebrates.
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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	This material does not contain any chemical components with known CAS numbers to exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.	
SARA 311/312 Hazards	Acute Health Hazard	
Massachusetts right to know components		
Sodium Hydroxide	CAS-No. 1310-73-2	Revision Date: 2007-03-01
Pennsylvania right to know components		
Sodium Hydroxide	CAS-No. 1310-73-2	Revision Date: 2007-03-01
5-Bromo-5-Nitro-1,3-dioxane	30007-47-7	
New Jersey right to know components		
Sodium Hydroxide	CAS-No. 1310-73-2	Revision Date: 2007-03-01
5-Bromo-5-Nitro-1,3-dioxane	30007-47-7	
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	13-March-2007
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.