

1. Product and Company Identification

Product Identifier

Product Name: Cesium Diluent
Product Code: IL-03331004D
Recommended Use: To act as a diluter.

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 Toxic, Corrosive, Irritant, Environmentally Damaging



Hazard Statements

H301 Toxic if swallowed.
 H314 Causes severe skin burns and eye damage.
 H315 Causes serious skin irritation.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.
 H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P260 Do not breathe dust or mist.
 P264 Wash skin thoroughly after handling.
 P270 Do not eat, drink or smoke while using this product.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P303 + P361 + P353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER or doctor/physician.
 P330 Rinse mouth.
 P363 Wash contaminated clothing before reuse.
 P391 Collect spillage.
 P403 + P233 Store in a well ventilated place. Keep container tightly closed.
 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
Benzethonium Chloride	204-479-9	Not available	121-54-0	< 0.01%	Acute Tox. 3; Skin Corr. 1B; Eye Dam. 1; Aquatic Acute 1; Aquatic Chronic 1; H301, H314, H410
Triton x 100	Not available	Not available	9002-93-1	< 0.05%	Xn;R22

4. First Aid Measures

Eye Contact	Flush affected area with copious amounts of water.
Skin Contact	Wash affected area with large amounts of soap and water. If irritation persists, contact a physician.
Inhalation	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.
Ingestion	Rinse mouth with water, drink copious amounts of water, and seek medical aid.
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	No information available
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	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

7. Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
Storage	Keep container closed in a dry and well-ventilated place.
Specific use	See Section 1 – Recommended Use

8. Exposure Controls / Personnel

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Benzethonium Chloride 121-54-0	Not listed	Not listed	Not listed
Triton x 100 9002-93-1	Not listed	Not listed	Not listed

Engineering Measures	Showers Eye Wash Stations Ventilation Systems
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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 Liquid
Odor	No information available
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	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	No information available
Chemical Stability	Stable
Incompatible Materials	No information available
Hazardous Decomposition Products	No information available
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. Toxicity to algae and bacteria.
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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 that 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
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania right to know components

Benzethonium Chloride	CAS-No. 121-54-0	Revision Date:
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New Jersey right to know components

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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	31-December-2008
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.