

SAFETY DATA SHEET

Section 1: Identification

1.1. Product Identifier: Bio-Lux Assay System (#ASRV00013)

1.2. Relevant Identified Uses of Substance or Mixture and Uses Advised Against:

Recommended Use: For Research Use Only

1.3. Company:

Assay Genie
25 Windsor Place
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Dublin 2
Ireland
+353 (01) 8879802

For information about this SDS, please contact: techsupport@assaygenie.com

Section 2: Hazard(s) Identification

2.1. Hazard Classification

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2.2. Health hazard effects

May cause eye and skin irritation. May cause respiratory and digestive tract irritation.

2.3. Main Symptoms

Not available

2.4. Environmental effects

Not available

2.5. Physical and chemical hazards

Not available

2.6. Special hazards

Not available

Section 3: Composition/ Information on Ingredients

Name	Main Components	CAS Number	Percentage
Bio-Lux Assay System	Nonylphenol Ethoxylate	127087-87-0	0-5%
	PIPES	5625-37-6	1-200 mM

	APMBT	92-36-4	0-0.01 mg/ml
	NaOH	1310-73-2	1-500 mM
	NaF	7681-49-4	1-100 mM
	CDTA	125572-95-4	0.1-10 mM
	Thiourea	62-56-6	1-200 mM
	MgSO4	7487-88-9	1-200 mM
	Water	7732-18	50-99%

Section 4: First-Aid Measures

4.1. Inhalation

In case of irritation by inhaling this product, move affected person to fresh air and await recovery. If irritation persists, seek immediate medical attention.

4.2. Ingestion

Induce vomiting. If indisposition continues, seek medical attention.

4.3. Skin contact

Wash with clean water, immediately.

4.4. Eye contact

Flush eyes with clean water for more than 15 minutes and seek medical attention.

4.5. Protection of first-aiders

Not available.

4.6. Notes to physician

Not available.

Section 5: Fire-Fighting Measures

5.1. Suitable extinguishing agents

Water, Carbon Dioxide, Foam, Dry Chemical Powder.

5.2. Special exposure hazards

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5.3. Hazardous combustion products

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5.4. Special protective equipment for fire-fighters

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Section 6: Accidental Release Measures

6.1. Personal precautions

Avoid substance contact.

6.2. Environmental precautions

Do not discharge directly into sewers

6.3. Large spill

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6.4. Small spill

Sweep up, place in bag and gold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

Section 7: Handling and Storage

7.1. Handling

Wear protective equipment and avoid contact with eyes and skin. Handle with ventilation and local exhaust system.

7.2. Storage

Store in the sampling tube. Store at -20°C.

7.3. Packing materials

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Section 8: Exposure Controls/Personal Protection

8.1. Engineering controls

Set up good ventilation and exhaust system in the work area.

8.2. Respiratory protection

No special protective equipment required. If ventilation is poor, please wear respirators and components that are suitable for government standard testing and approval.

8.3. Hand protection

No special protective equipment required. If there is a risk of splashing, please wear safety gloves.

8.4. Eye protection

No special protective equipment required. If there is a risk of splashing, please wear safety goggles.

8.5. Skin protection

No special protective equipment required. If there is a risk of splashing, wear long sleeves to prevent contact with the skin.

8.6. Hygiene measures

Operate in accordance with good industrial hygiene and safety practices.

8.7. Environmental exposure control

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Section 9: Physical and Chemical Properties

9.1. Information about the physical and chemical properties of the product

- **Physical state:** Liquid
- **Color:** Yellow
- **Odor:** None
- **pH:** 6.95
- **Melting point/melting range:** No data available
- **Boiling point/boiling range:** No data available
- **Flash point:** No data available
- **Evaporation rate:** No data available
- **Flammability:** No data available
- **Upper/lower flammability or explosive limits:** No data available
- **Auto ignition temperature:** No data available
- **Danger of explosion:** No data available
- **Vapor pressure:** No data available
- **Vapor density:** No data available
- **Relative density:** 1.02 g/cm³
- **Solubility in/Miscibility with water:** Soluble
- **Partition coefficient:** No data available
- **Decomposition temperature:** No data available
- **Viscosity:** No data available
- **Explosive properties:** No data available

Section 10: Stability and Reactivity

10.1. Information about the stability and reactivity

- **Stability:** Stable under normal handling and storage conditions
- **Conditions to avoid:** Not available.
- **Incompatible materials:** Strong acids, strong alkaline and strong oxidizers
- **Hazardous decomposition products:** Not available.

Section 11: Toxicological Information

11.1. Acute toxicity

- Inhalation: Not available.
- Ingestion: Not available.
- Skin contact: Not available.
- Eye Contact: Not available.
- LD50: Not available.
- LD50: Not available.

11.2. Sensitisation

Not available.

11.3. Potential chronic health effects Chronic toxicity

Not available.

11.4. Carcinogenicity

Not available.

11.5. Mutagenicity

Not available.

11.6. Teratogenicity

Not available.

11.7. Reproductive toxicity

Not available.

11.8. Local effects

Not available.

11.9. Special effects

May cause eye and skin irritation. May cause respiratory and digestive tract irritation.

Section 12: Ecological Information**12.1. Environmental effects**

Not available.

12.2. Aquatic ecotoxicity

Not available.

12.3. Biodegradability

Not available.

12.4. Other adverse effects

Not available.

Section 13: Disposal Considerations

13.1. Methods of disposal

Dispose in accordance with all applicable local and national laws and regulations

13.2. Hazardous waste

Not available.

Section 14: Transport Information

14.1. UN number

Not classified

14.2. Classes

N/A

14.2. Packing

N/A

14.4. Label

N/A

14.5. Transport way and notice

N/A

14.6. Other information

Follow all of the laws and regulations in your respective. To prevent packages from breaking, handle with care.

Section 15: Regulatory Information

Follow all of the laws and regulations in your country.

Section 16: Other Information

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This company shall not be held liable for any damage resulting from handling or from contact with the above product. This material must only be handled by suitably qualified experienced scientists in appropriately equipped and authorized facilities. The above information is believed to be correct but does not purport to be all inclusive and should be used as a guide only for experienced personnel. Always consult your safety advisor and follow appropriate local and national safety legislation. The absence of warning must not, under any circumstance be taken to mean that no hazard exists.

Last reviewed: 04/2026

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****End Of MSDS****