

# SAFETY DATA SHEET

## Section 1: Identification

**1.1. Product Identifier:** Duo-Lux Luciferase Assay System (#ASRV00017)

**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  
D02VY42  
Dublin 2  
Ireland  
+353 (01) 8879802

For information about this SDS, please contact: [techsupport@assaygenie.com](mailto: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
Duo-Lux Luciferase Assay System	Nonylphenol Ethoxylate	127087-87-0	0-5%
	PIPES	5625-37-6	1-300 mM

	APMBT	92-36-4	0-0.01 mg/ml
	NaOH	1310-73-2	1-400 mM
	NaF	7681-49-4	1-50 mM
	CDTA	125572-95-4	0.1-10 mM
	Thiourea	62-56-6	1-150 mM
	MgSO4	7487-88-9	1-100 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/cm<sup>3</sup>
- **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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**Last reviewed:** 04/2026

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***\*End Of MSDS\****