

# SAFETY DATA SHEET (SDS)



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**Product Name:** Ingenio® Electroporation Solution

**Product Number:** MIR 50111, MIR 50112, MIR 50113, MIR 50114, MIR 50115, MIR 50116, MIR 50117, MIR 50118, MIR 50119, MIR 50108, MIR 50109, MIR 50110

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## SECTION 1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product Identifier:

**1.1.1.Product Name:** Ingenio® Electroporation Solution

**1.1.2.Product Code:** MIR 50108, MIR 50111, MIR 50114, MIR 50117, Part of MIR 50109, 50110, 50112, 50113, 50115, 50116, 50118 and 50119

**1.1.3.CAS No.:** Not applicable.

### 1.2. Relevant Identified Uses of the Mixture and Uses Advised Against:

**1.2.1.Identified Uses:** For research use only.

**1.2.2.Uses Advised Against:** Not known.

### 1.3. Details of the Supplier of the SDS:

**1.3.1.Company:** Mirus Bio LLC

**1.3.2.Address:** 5602 Research Park Blvd, Suite 210, Madison, WI 53719, USA

**1.3.3.Telephone No.:** 888.530.0801 (Toll Free within the U.S.) or +1.608.441.2852

**1.3.4.Fax:** +1.608.441.2849

**1.3.5.Email:** [info@mirusbio.com](mailto:info@mirusbio.com)

### 1.4. Emergency Telephone No.:

**1.4.1.US and Canada:** +1.800.633.8253

**1.4.2.International:** +1.801.629.0667

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the Substance or Mixture:

US CFR 1910.1200

This substance or mixture is not considered hazardous.

### 2.2. Label Elements:

**2.2.1.Product Name:** Ingenio® Electroporation Solution

**2.2.2.Hazard Pictogram(s):** Not applicable.

**2.2.3.Signal Word(s):** Not applicable.

**2.2.4.Hazard Statement(s):** Not applicable.

**2.2.5.Precautionary Statement(s):**  
Not applicable.

**2.3. Other Hazards:** Not applicable.

**2.4. Additional Information:** None.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances:

Not applicable.

### 3.2. Mixtures:

This mixture contains no ingredients at their given concentration considered to be hazardous to health.

## SECTION 4. FIRST AID MEASURES

### 4.1. Description of First Aid Measures:

4.1.1. **Inhalation:** Treat symptomatically.

4.1.2. **Skin Contact:** Take off all contaminated clothing immediately. Rinse skin with water.

4.1.3. **Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Call a poison center and/or doctor.

4.1.4. **Ingestion:** Rinse mouth with water. Treat symptomatically.

### 4.2. Most Important Symptoms and Effects, Both Acute and Delayed:

No information available.

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed:

Call a poison center and/or doctor. Treat symptomatically.

## SECTION 5. FIREFIGHTING MEASURES

### 5.1. Extinguishing Media:

#### 5.1.1. Suitable Extinguishing Media:

Use extinguishing media that is appropriate to local circumstances and environment.

#### 5.1.2. Unsuitable Extinguishing Media:

No information available.

### 5.2. Specific Hazards Arising from the Mixture:

None known.

### 5.3. Advice for Firefighters:

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures:

Provide adequate ventilation. Wear suitable protective clothing, gloves and eye/face protection.

### 6.2. Environmental Precautions:

This material and its container must be disposed of in a safe way.

### 6.3. Methods and Materials for Containment and Cleaning Up:

Absorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal.

## SECTION 7. HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling:

Handle in accordance with good industrial hygiene and safety practices. Wear protective gloves and eye/face protection.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities:

Store tightly closed in a well-ventilated place. Keep cool.

#### 7.2.1. Storage Temperature: 4°C

7.2.2. **Storage Life:** Stable under normal conditions.

### 7.3. Specific End Use(s): For research use only.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters:

8.1.1. Occupational Exposure Limits: Not applicable.

### 8.2. Exposure Controls:

#### 8.2.1. Appropriate Engineering Controls:

Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

#### 8.2.2. Personal Protective Equipment:

8.2.2.1. **Eye Protection:** Tightly fitting safety glasses with side shields.

8.2.2.2. **Skin Protection:** Protective clothing and gloves.

8.2.2.3. **Respiratory Protection:** Normally no personal respiratory protection is necessary.

8.2.2.4. **Thermal Hazards:** None known.

### 8.3. Environmental Exposure Controls:

Avoid release to the environment.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties:

9.1.1. Appearance      Liquid  
Color: colorless.

9.1.2. Odor: No data available.

9.1.3. Odor Threshold: No data available.

9.1.4. pH: No data available.

9.1.5. Melting Point/freezing Point: No data available.

9.1.6. Initial Boiling Point and Boiling Range: No data available.

9.1.7. Flash Point: No data available.

9.1.8. Evaporation Rate: No data available.

9.1.9. Flammability (Solid, Gas): No data available.

9.1.10. Upper/lower Flammability or Explosive Limits:

Upper explosion limit: No data available.

Lower explosion limit: No data available.

9.1.11. Vapor Pressure: No data available.

9.1.12. Vapor Density: No data available.

9.1.13. Density: No data available.

9.1.14. Relative Density: No data available.

9.1.15. Solubility(ies): Water soluble.

9.1.16. Partition Coefficient: No data available.

9.1.17. Auto-ignition Temperature: No data available.

9.1.18. Decomposition Temperature: No data available.

9.1.19. Viscosity: No data available.

9.1.20. Explosive Properties: No data available.

9.1.21. Oxidizing Properties: No data available.

### 9.2. Other Information: None.

## SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity: None anticipated.

10.2. Chemical Stability: Stable under recommended storage conditions.

10.3. Possibility of Hazardous Reactions: No hazardous reactions known if used for its intended purpose.

10.4. Conditions to Avoid: None known.

**10.5. Incompatible Materials:** No data available.

**10.6. Hazardous Decomposition Products:** No data available.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on Toxicological Effects:

11.1.1. **Acute Toxicity – Ingestion:** Not classified.

11.1.2. **Acute Toxicity – Skin Contact:** Not classified.

11.1.3. **Acute Toxicity – Inhalation:** Not classified.

11.1.4. **Skin Corrosion/Irritation:** Not classified.

11.1.5. **Serious Eye Damage Irritation:** Not classified.

11.1.6. **Skin Sensitization Data:** Not classified.

11.1.7. **Respiratory Sensitization Data:** Not classified.

11.1.8. **Germ Cell Mutagenicity:** Not classified.

#### 11.1.9. 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.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

11.1.10. **Reproductive Toxicity:** Not classified.

11.1.11. **Lactation:** Not classified.

11.1.12. **Specific Target Organ Toxicity - Single Exposure:** Not classified.

11.1.13. **Specific Target Organ Toxicity - Repeated Exposure:** Not classified.

11.1.14. **Aspiration Hazard:** Not classified.

11.2. **Additional Information:** None.

## SECTION 12. ECOLOGICAL INFORMATION

12.1. **Ecotoxicity (Aquatic and Terrestrial, Where Available):** No data available.

12.2. **Persistence and Degradation:** No data available.

12.3. **Bioaccumulative potential:** No data available.

12.4. **Mobility in Soil:** No data available.

12.5. **Other Adverse Effects:** No data available.

## SECTION 13. DISPOSAL CONSIDERATIONS

13.1. **Waste Treatment Methods:** Remove waste in accordance with local and/or national regulations. Offer surplus and non-recyclable solutions to a licensed disposal company.

13.2. To minimize exposure, refer to Section 8 (Exposure Controls/Personal Protection) of the SDS.

## SECTION 14. TRANSPORT INFORMATION

14.1. **UN Number:** Not regulated.

14.2. **UN Proper Shipping Name:** Not regulated.

- 14.3. **Transport Hazard Class(es):** Not regulated.
- 14.4. **Packing Group, If Applicable:** Not regulated.
- 14.5. **Environmental Hazards:** Not classified as a marine pollutant.
- 14.6. **Guidance on Transport in Bulk (According to Annex II of MARPOL 73/783 and the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code (IBC Code)):** None.
- 14.7. **Other Special Precautions Related to Transport:** None.

## SECTION 15. REGULATORY INFORMATION

### 15.1. Safety, Health and Environmental Regulations Specific for the Product in Question:

#### **SARA 302/313 Components**

SARA 302: This material is not subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

#### **SARA 311/312 Hazards**

None.

#### **California Prop. 65 Components**

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

#### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain HAPs.

#### **WHMIS Hazard Class**

Non-controlled. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

## SECTION 16. OTHER INFORMATION

- 16.1. **Revision Date:** 17 June 2020
- 16.2. **Reason for Revision:** Change in address of supplier.
- 16.3. **Additional Information:** None.

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