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Material Safety Data Sheet

Section I - Product Identification

Product Name	Ingenio™ Electroporation Solution
Part#	MIR 50111, MIR50112, MIR50113, MIR 50114, MIR 50115, MIR 50116, MIR 50117, MIR 50118, MIR50119
Product Use	Research Laboratory

Precautionary Labeling

We are unaware of any hazards with this product other than those associated with the individual components that constitute the product.

Section II - Components

<u>Component</u>	<u>CAS#</u>	<u>Hazard</u>	<u>Weight %</u>
Electroporation Reagent	Trade Secret/ Proprietary Information	Target organ effect. Irritant to Eye, Skin, and respiratory system.	<5
Water (solvent)	7732-18-5	N/A	95

Section III - Physical Data

Appearance	Clear solution.	Specific Gravity	Unknown
Boiling Point	Unknown	Solubility in Water	Soluble

Section IV - Fire and Explosion Hazard Data

Fire Extinguishing Media

Use water, alcohol-resistant foam, dry chemical, carbon dioxide, or halon.

Special Fire-Fighting Procedures

Irritant. Firefighters should wear proper protective equipment. Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard (s): Emits toxic fumes under fire conditions.

Unusual Fire and Explosion Hazards

None.

Section V - Health Hazard Data

TLV	Unknown	Oral Rat LD₅₀	N/A
PEL	N/A	Carcinogenicity	Unknown

Section VI - Reactivity Data			
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(1) Stability	Stable	(3) Hazardous Decomposition Products:	Carbon monoxide, Carbon Dioxide
(2) Incompatibilities	Strong oxidizing agents	(4) Hazardous Polymerization:	Will not occur

Section VII - Spills and Disposal			
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Spills

Evacuate area immediately around the spill. Wear suitable protective equipment- respirator, protective safety goggles, rubber boots and heavy rubber gloves. Use absorbent and place in a tightly sealed container for disposal. Flush area with water.

Disposal

Dispose in accordance with all applicable federal, state, and local regulations. Collect the spill, place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

Section VIII - Protective Equipment			
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Engineering Controls

Safety showers and eye bath.

Ventilation

Local exhaust.

Respiratory Protection

None. If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. If respiratory protection is desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye/Skin Protection

Wear safety glasses with sideshields and chemical resistant gloves. In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Protective gloves for hands. In case of contact with skin, immediately wash skin with soap and copious amounts of water.

Oral Exposure

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Section IX - Storage and Handling			
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Storage Requirements

Keep container tightly closed. Avoid prolonged light exposure while handling and store protected from light. Should be stored at 2-8°C.

Handling:

User Exposure: Avoid Inhalation. Avoid contact with skin, eyes and clothing. Avoid prolonged or repeated exposure.

Section X - Transportation

AIR (ICAO)

Proper Shipping Name: None
Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.
Marine Pollutant: No
Poison Inhalation Hazard: No
Labels: Nonflammable Liquid
Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

Section XI – Other Information

DISCLAIMER:

For R&D use only. Not for drug, household or other uses.

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