

# Bioland Scientific LLC

## Material Safety Data Sheet

Version 1.0  
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### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name                   **Transfection reagent - BioT**

Catalog Numbers:           B01s, B01-00, B01-01, B01-02, B01-03  
Product Use :               For laboratory research use only.

Company                       Bioland Scientific LLC  
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                                  Paramount, CA 90723  
                                  USA

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Emergency Phone #        1-562-377-2668

This is a summary MSDS for a kit

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health.

### 3. HAZARDS IDENTIFICATION

GHS – Classification

Signal word

Not Hazardous

Health hazards

Not Hazardous

Physical hazards

Not Hazardous

Principle Routes of Exposure/Potential Health effects

Eyes: May cause eye irritation with susceptible persons

Skin: May cause skin irritation in susceptible persons

Inhalation: May be harmful by inhalation

INGESTION: May be harmful if swallowed

Specific effects

Carcinogenic effects None

Mutagenic effects: None

Reproductive toxicity: None

Sensitisation: None

Target Organ Effects: No known effects under normal use conditions

#### 4. FIRST AID MEASURES

##### **General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

##### **If inhaled**

Move person to fresh air immediately. If not breathing give artificial respiration. Consult a physician.

##### **In case of skin contact**

Wash off with soap and plenty of water for at least 15 minutes while removing contaminated clothing.

Consult a physician.

##### **In case of eye contact**

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids.

##### **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### 5. FIRE-FIGHTING MEASURES

##### **Suitable extinguishing media**

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

##### **Special protective equipment for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

#### 6. ACCIDENTAL RELEASE MEASURES

##### **Personal precautions**

Avoid breathing vapors, mist or gas.

##### **Environmental precautions**

Do not let product enter drains.

##### **Methods for cleaning up**

Vacuum or sweep up material and place into in suitable, closed containers for disposal.

#### 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. Normal measures for preventive fire protection.

##### **Storage**

Keep container tightly closed in a 4°C refrigerator or -20°C freezer.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

##### **Personal protective equipment Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### **Hand protection**

Handle with gloves.

##### **Eye protection**

Safety glasses

##### **Skin and body protection**

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

##### **Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form liquid

### Safety data

pH no data available

Melting point no data available

Boiling point no data available

Flash point no data available

Ignition temperature no data available

Lower explosion limit no data available

Upper explosion limit no data available

Water solubility no data available

## 10. STABILITY AND REACTIVITY

### Chemical stability

Stable under recommended storage conditions.

### Conditions to avoid

no data available

### Materials to avoid

Strong oxidizing agents

### Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Hydrogen chloride gas, Sodium oxides

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

no data available

### Skin corrosion/irritation

no data available

### Serious eye damage/eye irritation

Eyes: no data available

### Respiratory or skin sensitization

no data available

### Germ cell mutagenicity

no data available

### 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.

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

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.

### Reproductive toxicity

no data available **Specific target organ toxicity - single exposure (Globally Harmonized System)**

no data available

### Specific target organ toxicity - repeated exposure (Globally Harmonized System)

no data available

### Aspiration hazard

no data available

### Potential health effects

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.

**Ingestion** May be harmful if swallowed.

**Skin** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes** May cause eye irritation.

**Signs and Symptoms of Exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Additional Information**

None

**12. ECOLOGICAL INFORMATION****Toxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**PBT and vPvB assessment**

no data available

**Other adverse effects**

no data available

**13. DISPOSAL CONSIDERATIONS**

**Product:** Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging:** Dispose of as unused product.

**14. TRANSPORT INFORMATION**

**DOT (US):** Not dangerous goods

**IMDG:** Not dangerous goods

**IATA:** Not dangerous goods

**15. REGULATORY INFORMATION****OSHA Hazards**

Target Organ Effect

**SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

SARA 313: 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**

Chronic Health Hazard

**Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components**

No components are subject to Pennsylvania Right to Know Act.

**New Jersey Right To Know Components****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**

**Product Use:**  
For research use only.

**Disclaimer:**  
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