



Mirus Bio Corporation
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 www.mirusbio.com

Material Safety Data Sheet

Section I - Product Identification

Product Name MiraCLEAN[®] Endotoxin Removal Kit:
 EndoGO Extraction Reagent (1 of 2 components)
Part Numbers MIR 5900, 5910 Not available separately
Product Use Research Laboratory

Precautionary Labeling

We are unaware of any hazards with this product when mixed other than those associated with the individual reagents listed below.

Section II - Components

| <u>Component</u> | <u>CAS#</u> | <u>Hazard</u> | <u>Weight %</u> |
|--------------------------------|-------------|---|-----------------|
| Proprietary Extraction Reagent | N/A | Irritant. Avoid contact with eyes, skin and clothing. | 100 |

Section III - Physical Data

| | | | |
|----------------------|----------------------|-------------------------|------|
| Appearance | viscous, pink liquid | Specific Gravity | 1.05 |
| Boiling Point | N/A | Vapor Pressure | N/A |
| Melting Point | N/A | | |

Section IV - Fire and Explosion Hazard Data

| | | | |
|---------------------------|-----------------|----------------|-----|
| Flash Point | Non-combustible | UEL (%) | N/A |
| Autoignition Temp. | N/A | LEL (%) | N/A |

Fire Extinguishing Media

Use water spray, carbon dioxide, dry chemical powder or appropriate foam.

Special Fire-Fighting Procedures

Avoid breathing vapors. Use self-contained breathing apparatus. Prevent contact with skin and eyes. Firefighters should wear proper protective equipment.

Unusual Fire and Explosion Hazards

Emits toxic fumes under fire conditions.

Section V - Health Hazard Data

| | | | |
|-------------|-----|---------------------------------|------------|
| TLV | N/A | Oral Rat LD₅₀ | 3500 mg/kg |
| STEL | N/A | Carcinogenicity | N/A |
| PEL | N/A | | |

Section VI - First Aid

Wash affected area with copious amounts of soap and water. Flush eyes with copious amounts of water for at least 15 minutes. If swallowed, wash out mouth with water, provided person is conscious. Call a physician. If inhaled, remove to fresh air. If not breathing, give artificial respiration.

Section VII - Reactivity Data

| | | | |
|----------------------------|-------------------|-------------------------------|------------------------------------|
| Stability | Stable | Incompatibilities | Strong oxidizing agents |
| Conditions to Avoid | Incompatibilities | Decomposition Products | Carbon monoxide, carbon dioxide |

Section VIII - Spills and Disposal

Spills

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Adsorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pick up is complete.

Disposal

Dispose in accordance with all applicable federal, state, and local regulations.

Section IX - Protective Equipment

Ventilation

Mechanical ventilation is recommended.

Respiratory Protection

Recommended.

Eye/Skin Protection

Gloves, protective clothing, and eyewear should be worn and safe laboratory practices followed. Wash thoroughly after handling.

Section X- Storage and Handling

Storage Requirements

Store at 4°C. Keep tightly sealed.

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Material Safety Data Sheet

Section I - Product Identification

Product Name MiraCLEAN[®] Endotoxin Removal Kit:
 MiraCLEAN Buffer (2 of 2 components)
Part Numbers MIR 5900, 5910 Not available separately
Product Use Research Laboratory

Precautionary Labeling

We are unaware of any hazards with this product when mixed other than those associated with the individual reagents listed below.

Section II - Components

| <u>Component</u> | <u>CAS#</u> | <u>Hazard</u> | <u>Weight %</u> |
|--------------------------------|-------------|--|-----------------|
| Sodium Acetate Buffer Solution | N/A | May be harmful by inhalation, ingestion, or skin absorption. May cause eye and/or skin irritation. | 100 |

Section III - Physical Data

| | | | |
|----------------------|-----------------------------------|-------------------------|-----|
| Appearance | Clear, colorless, odorless liquid | Specific Gravity | N/A |
| Boiling Point | N/A | Vapor Pressure | N/A |
| Melting Point | N/A | | |

Section IV - Fire and Explosion Hazard Data

| | | | |
|---------------------------|-----------------|----------------|-----|
| Flash Point | Non-combustible | UEL (%) | N/A |
| Autoignition Temp. | N/A | LEL (%) | N/A |

Fire Extinguishing Media

Use water spray, carbon dioxide, dry chemical powder or appropriate foam.

Special Fire-Fighting Procedures

Avoid breathing vapors. Use self-contained breathing apparatus. Prevent contact with skin and eyes. Firefighters should wear proper protective equipment.

Unusual Fire and Explosion Hazards

Emits toxic fumes under fire conditions.

Section V - Health Hazard Data

| | | | |
|-------------|-----|------------------------|------------|
| TLV | N/A | Oral Rat LD | 3530 mg/kg |
| STEL | N/A | Carcinogenicity | N/A |

PEL N/A

Section VI - First Aid

Wash affected area with water. Irrigate eyes for at least 15 minutes. See physician. If ingested, drink several glasses of water and induce vomiting.

Section VII - Reactivity Data

| | | | |
|----------------------------|-------------------|-------------------------------|--|
| Stability | Stable | Incompatibilities | Strong oxidizing agents |
| Conditions to Avoid | Incompatibilities | Decomposition Products | Carbon monoxide, carbon dioxide, Sodium, sodium oxides |

Section VIII - Spills and Disposal

Spills

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Adsorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pick up is complete.

Disposal

Dispose in accordance with all applicable federal, state, and local regulations.

Section IX - Protective Equipment

Ventilation

Mechanical ventilation is recommended.

Respiratory Protection

Recommended.

Eye/Skin Protection

Gloves, protective clothing, and eyewear should be worn and safe laboratory practices followed. Wash thoroughly after handling.

Wear face protection and avoid prolonged or repeated exposure.

Section X- Storage and Handling

Storage Requirements

Store at 4°C. Keep tightly sealed.

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