

Mirus Bio Corporation
 505 S. Rosa Rd.
 Madison, WI 53719 USA
 888.530.0801 or 608.441.2852
 www.mirusbio.com

Material Safety Data Sheet

Section I - Product Identification

Product Name *TransIT*[®]-siPAK Trial Kit:
TransIT-TKO[®] and *TransIT*[®]-siQUEST[™] Reagents
Part Number MIR 2260
Product Use Research Laboratory

Precautionary Labeling

As yet, the chemical, physical, and toxicological properties of the *TransIT*-TKO[®] and *TransIT*[®]-siQUEST[™] Reagents, the two components present within the *TransIT*[®]-siPAK Trial Kit, have not been thoroughly investigated. The *TransIT*-TKO[®] (<0.25% by weight) and *TransIT*[®]-siQUEST[™] (<0.3% by weight) Reagents are potentially harmful. Handle with care, and practice safe laboratory techniques. We are unaware of any hazards with either the *TransIT*-TKO[®] or *TransIT*[®]-siQUEST[™] Reagents other than those associated with ethanol, which is used as a solvent. The following information pertains to ethanol.

Section II - Components

<u>Component</u>	<u>CAS#</u>	<u>Hazard</u>	<u>Weight %</u>
Ethanol	64-17-5	Highly Toxic, Flammable	100 or 80

Section III - Physical Data

Appearance	Clear solution.	Specific Gravity	0.7906
Boiling Point	78°C	Solubility in Water	Soluble
Vapor Pressure	44.6 mm Hg		

Section IV - Fire and Explosion Hazard Data

Fire Extinguishing Media

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

Special Fire-Fighting Procedures

Avoid breathing vapors. Use self-contained breathing apparatus. Firefighters should wear proper protective equipment.

Unusual Fire and Explosion Hazards

None.

Section V - Health Hazard Data

TLV	1000 ppm	Oral Rat LD₅₀	N/A
PEL	N/A	Carcinogenicity	Unknown

Section VI - Reactivity Data			
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Stability	Stable	Incompatibilities	Strong oxidizing agents, strong inorganic acids
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Section VII - Spills and Disposal

Spills

Wear suitable protective equipment. Eliminate ignition sources. 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.

Section VIII - Protective Equipment

Ventilation

Local exhaust.

Respiratory Protection

Use self-contained breathing apparatus in high vapor concentrations.

Eye/Skin Protection

Wear safety glasses with sideshields and chemical resistant gloves.

Section IX - Storage and Handling

Storage Requirements

Keep container tightly closed. Keep away from sparks, flame and heat. Avoid contact with eyes, and use adequate ventilation. Store at 4°C.

Section X - Transportation

AIR (ICAO)

Proper Shipping Name:	Ethyl Alcohol
Hazard Class:	3
Packing Group:	II
Labels:	Flammable Liquid

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