



The Transfection Experts

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Material Safety Data Sheet

Section I - Product Identification

Product Name	<i>TransIT</i> [®] -2020
Part Numbers	MIR 5400, MIR 5404, MIR 5405, MIR 5406
Product Use	Research Laboratory

Precautionary Labeling

As yet, the chemical, physical, and toxicological properties of the *TransIT*[®] -2020 reagent have not been thoroughly investigated. The components of *TransIT*[®] -2020 reagent (< 1% by weight) are potentially harmful. Handle with care, and practice safe laboratory techniques.

We are unaware of any hazards with the *TransIT*[®] -2020 reagent other than those associated with ethanol, which is used as a solvent. The following information pertains to dehydrated ethanol.

Section II - Components

<u>Component</u>	<u>CAS#</u>	<u>Hazard</u>	<u>Weight %</u>
Dehydrated Ethanol	64-17-5	Highly Toxic, Flammable	80
Water	7732-18-5	N/A	20

Section III - Physical Data

Appearance	Clear sol'n.	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

Stability	Stable	Incompatibilities	Strong oxidizing agents, strong inorganic acids
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Section VII - Spills and Disposal
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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
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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
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Storage Requirements

Keep container tightly closed. Keep away from sparks, flame and heat. Avoid contact with eyes, and use adequate ventilation. Should be stored at -20°C.

Section X - Transportation

AIR (ICAO)

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

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