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Material Safety Data Sheet

Section I - Product Identification

Product Name pLIVE™ Vector and Control Kits
Part# MIR5420, MIR5520, MIR5620, MIR5320
Product Use Research Laboratory

Precautionary Labeling

The pLIVE™, pLIVE™-*lacZ* and pLIVE™-SEAP vectors are not considered hazardous and do not require separate material safety data sheets. As yet, the chemical, physical, and toxicological properties of these products have not been thoroughly investigated. The pLIVE™ vector series is supplied in a modified TE buffer (10 mM Tris pH 7.5, 0.1 mM EDTA) and this bulletin is intended to provide general guidelines about its use.

Section II - Components

<u>Component</u>	<u>CAS#</u>	<u>Hazard</u>	<u>Weight %</u>
Tris(hydroxymethyl)aminomethane	77-86-1	Irritant. Irritating to eyes, respiratory system and skin.	0.12
EDTA	6381-92-6	Irritant. Irritating to eyes, respiratory system and skin.	0.0034

Section III - Physical Data

Appearance/Odor	Clear colorless odorless liquid	Specific Gravity	N/A
Boiling Point	N/A (Similar to water)	Vapor Pressure (mm Hg)	N/A
Melting Point	N/A	Solubility in H₂O	Soluble

Section IV - Fire and Explosion Hazard Data

Flash Point	Not combustible	UEL (%) (DMSO)	N/A
Auto ignition Temp.	N/A	LEL (%) (DMSO)	N/A

Fire Extinguishing Media

Water, CO₂, Foam, Dry Chemical

Special Fire-Fighting Procedures

N/A

Unusual Fire and Explosion Hazards

N/A

Section V - Health Hazard Data

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

Emergency First Aid Procedures

Skin Contact Wash affected area with soap and water for at least 15 minutes. Seek medical attention if the skin becomes irritated.

Eye Contact Flush contaminated eye(s) with large volumes of water for at least 15 minutes.

Section VI - Reactivity Data			
Stability	Stable.	Incompatibilities	N/A
Conditions to Avoid	N/A	Hazardous Decomposition Products	N/A

Section VII - Spills and Disposal			
Spills			
Absorb on neutral material and place in container.			
Disposal			
Dispose in accordance with all applicable federal, state, and local regulations.			

Section VIII - Protective Equipment			
Ventilation			
Not expected to require any special ventilation.			
Respiratory Protection			
None needed.			
Eye/Skin Protection			
Gloves, protective clothing, and eyewear should be worn and safe laboratory practices followed.			

Section IX - Storage and Handling			
Storage Requirements			
Keep tightly closed. Store at -20°C.			

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