Material Safety Data Sheet

Section 1. Product and Company Identification

**Product Name:** Transcriptase  
**Catalog Number:** several  
**Manufacturer:** OriGene Technologies, Inc. 9620 Medical Center Drive, Suite 200, Rockville, MD 20850, USA  
**Contact:** 888-267-4436 (Tel) or 301-340-8606 (Fax), info@origene.com, www.origene.com  
**Validation Date:** 8/09/10

**MSDS# OTIQMM01**  
**Component/Item (and Parts number if listed)**  
Master Mix QP10001- QP10009  
50 mM MgCl₂ CAS: 7791-18-6

Section 2. Composition and Information on Hazardous (OSHA)

**Ingredients**  
Chemical Name: Dimethyl Sulfoxide  
CAS: 67-68-5  
EINECS: 200-664-3  
SYNONYMS: DMSO

Section 3. Hazards Identification

Review approved and the most current institutional guideline, protocol, SOP(s) and MSDS(s) for the proper handling of institutional materials/equipment associated with the use of this BCI product.  
**Primary Routes of Entry:** Skin Absorption (Yes); Dermal/skin contact (Yes); Eye contact (Yes); Inhalation (Yes); Ingestion (Yes); Chronic Exposure (Yes).  
**Medical Conditions Aggravated by Exposure:** Not available.  
**Potential Acute Health Effects:** Adverse health effects are not expected from the use of this product.  
**Carcinogenic Effects:** Not listed by NTP, IARC or OSHA.  
**Mutagenic Effects:** Not available.  
**Teratogenic Effects:** Not available.

Section 4. First Aid Measures

**Emergency First Aid Procedures:** Wash affected area with water for at least 15 minutes. See physician.  
**ORAL EXPOSURE:** If swallowed, wash out mouth with water provided person is conscious. Call a physician.  
**EYE EXPOSURE:** In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.  
**DERMAL EXPOSURE:** In case of contact, immediately wash skin with soap and copious amounts of water. Remove clothing and call a physician.  
**INHALATION EXPOSURE:** If inhaled, remove to fresh air. If breathing is difficult, call a physician.

Section 5. Fire Fighting Measures

**Special Fire Fighting:** Water Spray, Carbon Dioxide, Dry Chemical Powder or foam

Section 6. Accidental Release Measures

If released or spilled Absorb on neutral material. Wash area thoroughly.

Section 7. Handling and Storage
See User’s Manual for storage information.

Section 8. Exposure Controls and Personal Protection

Effects of Overexposure: Irritation  Respiratory Protection: NIOSH/MSHA approved respirator
Ventilation: General ventilation  Protective Glove: General lab safe gloves
Eye Protection: Use general eye protection-goggles.
Handling and Storage: Wear appropriate protective clothing and gloves. Store in cold.

Section 9. Physical and Chemical Properties

Appearance: liquid, odorless
Boiling Point: unknown
Specific Gravity: unknown
Vapor Density & Pressure: unknown
Solubility in H2O: Soluble

Section 10. Stability and Reactivity

Stability and Reactivity: The product is stable
Incompatibility: N/A
Hazardous Decomposition Products: N/A

Section 11. Toxicological Information

Route of Exposure: Skin Contact: may cause skin irritation; Eye contact: may cause eye irritation; Materials may be irritating to mucous membranes and upper respiratory tract.
May be harmful by inhalation, ingestion, or skin absorption
Chronic Effects: Target Organs, Kidney
Signs and Symptoms of Exposure: Prolonged exposure can cause: Nausea, headache and vomiting

Section 12. Ecological Information

The product itself and its products of degradation are not toxic.

Section 13. Disposal Considerations

Please consult local, state and federal regulation on additional guidance on disposal.

Section 14. Transport Information

This substance is considered to be non-hazardous for transport

Section 15. Regulatory Information

Target Organ(s): Kidneys

Section 16. Other Information

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N/A - Not applicable or no information available.