

# 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](mailto:Info@origene.com), [www.origene.com](http://www.origene.com)

**Validation Date:** 8/09/10

**MSDS# OTIQMM01**

**Component/Item (and Parts number if listed)**

Master Mix	QP10001- QP10009
50 mM MgCl <sub>2</sub>	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 H<sub>2</sub>O:** 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**

US Classification and Label Text: US Statements: Caution: Avoid contact and inhalation.

Target Organ(s): Kidneys

## **Section 16. Other Information**

Validated by OriGene Safety Office on 8/09/2010. Verified by OriGene Administration and Printed on 8/09/2010.

**Notice to Reader**

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N/A - Not applicable or no information available.