

# Material Safety Data Sheet

## Section 1. Product and Company Identification

**Product Name:** Gene Editing and Knock Out plasmids

**Catalog Number:**

**Manufacturer:** OriGene Technologies, Inc. 9620 Medical Center Drive, Suite 200, Rockville, MD 20850, USA

**Contact:** 888-267-4436 (Tel) or 301-340-8606 (Fax), [safety@origene.com](mailto:safety@origene.com), [www.origene.com](http://www.origene.com)

**Validation Date:** 03/24/2014

**MSDS# OTI706-001**

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

DNA plasmids dried in individual plastic tubes

## Section 2. Composition and Information on Hazardous (OSHA) Ingredients

All components of the products are considered non-hazardous. As yet, the chemical, physical, and toxicological properties of these products have not been thoroughly investigated. These products are provided as dried plasmid DNA or in TE buffer and this MSDS is written to apply to general reagents.

## 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 (**No**); Dermal/skin contact (**Yes**); Eye contact (**Yes**); Inhalation (**No**); Ingestion (**Yes**); Chronic Exposure (**No**).

**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.

## Section 5. Fire Fighting Measures

**Special Fire Fighting:** N/A

## 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:** N/A **Respiratory Protection:** None needed

**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:** Solution.

**Boiling Point:** N/A

**Specific Gravity:** N/A

**Vapor Density & Pressure:** N/A

**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**

N/A

## **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**

Contact OriGene for all transport information.

## **Section 15. Regulatory Information**

N/A.

## **Section 16. Other Information**

Validated by OriGene Safety Office on 03/24/2014. Verified by OriGene Administration and Printed on 03/24/2014.

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N/A - Not applicable or no information available.