

# **Material Safety Data Sheet**

Validation Date: November 30, 2015

## 1. Identification of products and company

Product Name: Open Reading Frame clones

Manufacturer: GenScript, Inc.

Contact: 1-732-885-9188 (Tel) or1-732-210-0262 (Fax), order@genscript.com

Component/Item: Complementary DNA (cDNA) clones dried in individual micro-centrifuge tubes (1.5ml)

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

The product contains no substances which are considered to be hazardous to health at their given concentration.

#### 3. Hazards Identification

Primary Routes of Entry: Inhalation (No), Skin contact (Yes), Eye contact (Yes), Ingestion (Yes), Skin Absorption (No), 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.

#### 4. First Aid Measures

General advice: In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin contact:** Wash off immediately with plenty of water for at least 15 minutes.

Inhalation: Move to fresh air

Ingestion: Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Not an expected route of

exposure.

Notes to physician: Treat symptomatically.

#### 5. Fire Fighting Measures

Suitable extinguishing media: Water spray, carbon dioxide (CO2), foam, dry chemical.

Special protective equipment for firefighters: Wear self-contained breathing apparatus and protective suit.

#### 6. Accidental Release Measures

*Methods for Containment:* Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Soak up with inert absorbent material.

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### 7. Handling and Storage

**Advice on safe handling:** Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Storage conditions: Keep in a dry, cool and well-ventilated place.

#### 8. Exposure Controls and Personal Protection

**Exposure Guidelines:** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Engineering Measures: Ensure adequate ventilation, especially in confined areas

Personal Protective General Information: These recommendations apply to the product as supplied.

Personal Respiratory protection: None required under normal usage.

Personal Eye/Face Protection: Safety glasses with side-shields

Personal Skin and body protection: Wear suitable protective clothing. Protective shoes or boots.

Personal Hand Protection: Latex gloves

Hygiene measures: When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure controls:** Prevent product from entering drains

### 9. Physical and Chemical Properties

Appearance: Clear, colorless solution

Odor: Odorless

Physical State: Liquid

pH: No information available

Water Solubility: Soluble in water

Boiling point/boiling range (°C): No information available

**Melting point (°C):** No information available **Flash point (°C):** No information available **Specific Gravity:** No information available

Vapor Density & Pressure: No information available

#### 10. Stability and Reactivity

Stability: Stable under normal conditions.

Materials to avoid: No dangerous reaction known under normal use

Hazardous decomposition: None under normal use

Products polymerization: Hazardous polymerisation does not occur

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# 11. Toxicological Information

Acute and chronic toxicity: NA

## 12. Ecological Information

Ecotoxicity effects: No information available

Mobility: No information available.

**Biodegradation:** Inherently biodegradable **Bioaccumulation:** Does not bioaccumulate

### 13. Disposal Considerations

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

### 14. Transport Information

DOT/IATA: This substance is considered to be non-hazardous for transport.

## 15. Regulatory Information

**US Classification and Label Text:** The chemical, physical, and toxicological properties of this product have not been thoroughly investigated. Exercise due care.

*United States Regulatory information - SARA Listed:* SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: No products were found. SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found. SARA 313 toxic chemical notification and release reporting: No products were found.

Canada Regulatory Information -WHMIS Classification/DSL/ NDSL: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR. Not available information for DSL/ NDSL.

#### 16. Other Information

GenScript corporation MSDS is believed to be correct but only used as a guide for experienced personnel. GenScript shall not be held liable for any damage resulting from handling or from contact with the above product.

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