

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

A. PRODUCT IDENTIFIERS

PRODUCT NAME : **Genes**
 PRODUCT NUMBER : Proprietary information
 SYNONYMS : **DNA, clonal genes, non clonal genes, genes in TV, genes in CV**

B. DETAILS OF SUPPLIER OF THE SAFETY DATA SHEET

COMPANY : **Twist Bioscience**
455 Mission Bay Boulevard South
San Francisco, CA 94158
 TELEPHONE : **(415) 216-8966**
 EMERGENCY PHONE # : **In the event of chemical emergencies: Contact CHEMTREC 24 Hour Emergency Telephone:**
In US: 1-800-424-9300; International number (Outside the US): +1-703-741-5970

C. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE

For research and development purposes only

SECTION 2: HAZARD IDENTIFICATION

THIS PRODUCT IS CONSIDERED NON-HAZARDOUS. Despite the classification of certain products/components as non-hazardous, we strongly recommend using prudent laboratory practices: avoiding unnecessary contact and use of personal protective equipment, which may include gloves, eye protection, and lab coats, during the use of any laboratory reagent. Twist Bioscience shall not be held liable for any damages resulting from handling or from contact with the above product.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name: nucleic acids, lyophilized oligodeoxyribonucleic acid, may be partially methylated
 CAS Number: N/A
 Percentage: 100%

SECTION 4: FIRST AID MEASURES

SKIN CONTACT: Remove contaminated clothing. Flush affected area with water and then wash with soap or mild detergent and water. Observe for signs of irritation. If irritation is present, get medical attention.
 EYE CONTACT: Wash eyes with large amounts of water or normal saline for a minimal time of 15 minutes. If irritation is present, get medical attention.
 INGESTION: Get medical attention.
 INHALATION: Remove from exposure area to fresh air immediately. Get medical attention immediately.
 INJECTION: If accidentally injected, get medical attention.
 NOTE TO PHYSICIAN: There is no specific antidote. Treat symptomatically and supportively as needed.

SECTION 5: FIRE FIGHTING MEASURES

Fire and Explosion Hazard: None known to exist.
 Fire Extinguishing Media: Dry chemical, foam, carbon dioxide or water. Warning: Take precaution not to aerosolize the powder, where it could become an inhalation risk.

Other Information:

Information provided herein is believed to be correct but is not deemed to be all inclusive and should only be used as a guide. Twist Bioscience should not be held liable for any damage resulting from handling or from contact with the above product.

SECTION 6: ACCIDENTAL RELEASE MEASURES

OCCUPATIONAL SPILL: Wear appropriate protective clothing, safety glasses and chemically compatible gloves. Place contaminated material spillage in appropriate container for waste disposal according to site regulation. Wash contaminated clothing before reuse

REPORTABLE QUANTITY (RQ): Not Applicable

SECTION 7: HANDLING AND STORING

Observe all federal, state and local regulations. Do not breathe dust. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep tightly closed. Store in a cool dry place (prolonged storage at 4 °C). Use good laboratory practices for handling and storage of chemical substances of unknown toxicity.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS: Use in a laboratory hood or other ventilated device. OSHA, ACGIH, or NIOSH has not established occupational exposure limits for this substance. Use good laboratory practices for handling chemical substances of unknown toxicity.

EYE PROTECTION: Wear safety goggles to prevent eyecontact with this substance.

CLOTHING: Wear appropriate protective clothing (laboratory coat with long sleeves) and equipment to prevent skin contact with this material.

GLOVES: Wear appropriate protective gloves must be worn to prevent contact with this material.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

DESCRIPTION: Clear to white or off white

PH: Approximately 7.5

MOLECULAR WEIGHT: Varies

ODOR: None

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under typical conditions of use and storage when kept lyophilized. Recommended storage at 4 °C or 2 °C

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICITY: Not Available

CARCINOGEN STATUS: Not Available

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL IMPACT RATING (0-4): No data available

ACUTE AQUATIC TOXICITY: No data available

DEGRADABILITY: No data available

LOG BIOCONCENTRATION FACTOR (BCF): No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, state and local environmental control regulations.

Supplier Information:

Twist Bioscience
455 Mission Bay Boulevard South, San Francisco, CA 94158
Email: customersupport@twistbioscience.com
Phone: 1-415-216-8966

Other Information:

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SECTION 14: TRANSPORT INFORMATION

Ship as non-regulated material, no transportation restrictions apply

SECTION 15: REGULATORY INFORMATION

The toxicological properties of this material have not been investigated. For research and development purposes only.

SECTION 16: OTHER INFORMATION

POTENTIAL HEALTH EFFECTS:

SKIN CONTACT:	Short Term Exposure: Possible Irritant
	Long Term Exposure No information available
EYE CONTACT:	Short Term Exposure: Possible Irritant
	Long Term Exposure No information available
INGESTION:	Short Term Exposure: Possible Irritant
	Long Term Exposure No information available
INHALATION:	Short Term Exposure: Possible Irritant
	Long Term Exposure No information available
INJECTION:	Short Term Exposure: No information available
	Long Term Exposure No information available

THE AFOREMENTIONED INFORMATION IS BELIEVED TO BE CORRECT, BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. TWIST BIOSCIENCE SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.

Other Information:

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