

## Material Safety Data Sheet

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Version 1.0

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### Section 1 - Product and Company Information

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<b>Product Name</b>	Oligonucleotide		
<b>Product Number</b>	NA		
<b>Brand</b>	NA		
<b>Company</b>	Sigma-Genosys		
<b>Street Address</b>	1442 Lake Front Circle		
<b>City, State, Zip, Country</b>	The Woodlands, Texas, 77373		
<b>Technical Phone #</b>	800-234-5362 x 1147	<b>Emergency Phone #</b>	800-424-9300
<b>Fax</b>	281-363-5909		

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### Section 2 - Composition/Information on Ingredient

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<u>Substance Name</u>	<u>CAS #</u>	<u>SARA 313</u>
CUSTOM SYNTHETIC OLIGONUCLEOTIDE	None	No
<b>Formula</b>	Variable. Contains C, H, N, O, P. May contain S.	
<b>Synonyms</b>	DNA probe, DNA primer, nucleic acid, DNA, deoxyribonucleic acid.	

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### Section 3 - Hazards Identification

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**HMIS Rating**  
Health: 1

For additional information on toxicity, please refer to Section 11.

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### Section 4 - First Aid Measures

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**Oral Exposure**

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

**Inhalation Exposure**

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

**Dermal Exposure**

In case of contact, immediately wash skin with soap and copious amounts of water.

**Eye Exposure**

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

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### Section 5 - Fire Fighting Measures

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<b>Autoignition Temp:</b>	N/A	<b>Flammability:</b>	N/A
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### **Extinguishing Media**

#### **Suitable**

Water spray Carbon dioxide, dry chemical powder, or appropriate foam.

### **Firefighting**

#### **Protective Equipment**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

#### **Specific Hazard(s)**

Emits toxic fumes under fire conditions.

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## **Section 6 - Accidental Release Measures**

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### **Procedure(s) of Personal Precaution(s)**

Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

### **Methods for Cleaning Up**

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

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## **Section 7 - Handling and Storage**

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### **Handling**

#### **User Exposure**

Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

### **Storage**

#### **Suitable**

Keep tightly closed. Store in a cool dry place.

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## **Section 8 - Exposure Controls / PPE**

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### **Engineering Controls**

Safety shower and eye bath. Mechanical exhaust required.

### **Personal Protective Equipment**

#### **Respiratory**

NIOSH/MSHA-approved respirator.

#### **Hand**

Compatible chemical-resistant gloves.

#### **Eye**

Chemical safety goggles.

### **General Hygiene Measures**

Wash thoroughly after handling.

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## **Section 9 - Physical/Chemical Properties**

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### **Appearance**

#### **Physical State**

Lyophilized solid

**Molecular Weight:** N/A

<u>Property</u>	<u>Value</u>
pH	N/A
BP/BP Range	N/A
MP/MP Range	N/A
Freezing Point	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Saturated Vapor Conc.	N/A
SG/Density	N/A
Bulk Density	N/A
Odor Threshold	N/A
Volatile%	N/A
VOC Content	N/A
Water Content	N/A
Solvent Content	N/A
Evaporation Rate	N/A
Viscosity	N/A
Partition Coefficient	N/A
Decomposition Temp.	N/A
Flash Point °F	N/A
Flash Point °C	N/A
Explosion Limits	N/A
Autoignition Temp	N/A
Solubility	N/A

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### Section 10 - Stability and Reactivity

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#### Stability

##### Stable

Stable.

##### Materials to Avoid

Strong oxidizing agents.

#### Hazardous Decomposition Products

##### Hazardous Decomposition Products

Carbon monoxide, Carbon dioxide, Sulfur oxides.

#### Hazardous Polymerization

##### Hazardous Polymerization

Will not occur.

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### Section 11 - Toxicological Information

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#### Route of Exposure

##### Skin Contact

May cause skin irritation.

##### Eye Contact

May cause eye irritation.

##### Inhalation

Material may be irritating to mucous membranes and upper respiratory tract.

##### Multiple Routes

May be harmful by inhalation, ingestion, or skin absorption.

RTECS Number:

**Additional Information**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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**Section 12 - Ecological Information**

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**Section 13 - Disposal Considerations**

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**Appropriate Method of Disposal of Substance or Preparation**

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

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**Section 14 - Transport Information**

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**DOT**

**Proper Shipping Name:** None

**Non-Hazardous for Transport:** This substance is considered to be non-hazardous for transport.

**IATA**

**Proper Shipping Name:** None

**Non-Hazardous for Air Transport:** Non-hazardous for air transport.

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**Section 15 - Regulatory Information**

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**United States Regulatory Information**

**SARA 313**

**Listed:** No

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**Section 16 - Other Information**

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**Disclaimer**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 1998 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.