

Oligodeoxyribonucleic Acid

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Oligodeoxyribonucleic Acid
Synonyms: Synthetic DNA, Oligo
SDS Number: GPR002.A
Revision Date: 3/14/2018
Product Use: For research use only.

Supplier Details: ArcherDX, Inc.
 2477 55th Street, Suite 202
 Boulder, CO 80301

Phone: (303) 357-9001
Fax: (303) 736-7150
Email: tech@archerdx.com
Internet: www.ArcherDX.com
Emergency: ArcherDX (303) 357-9001

2 HAZARDS IDENTIFICATION

Classification of Substance

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):
 No GHS Classifications Indicated

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **NONE**

GHS Hazard Pictograms:

No GHS pictograms indicated for this product

GHS Hazard Statements:

No GHS hazards statements indicated

GHS Precautionary Statements:

No GHS precautionary statements indicated

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
Skin Contact: May be harmful if absorbed through skin. May cause skin irritation.

Eye Contact: May cause eye irritation.

Ingestion: May be harmful if swallowed.

3 COMPOSITION/INFORMATION ON INGREDIENTS

THIS PRODUCT IS CONSIDERED NON-HAZARDOUS. Per OSHA 29CFR1910.1200, Commonwealth of Australia [NOHSC: 1005, 1008(1999)], and the latest amendments to the European Union Directives 67/548/EC and 1999/45/EC. This product does not contain more than 1% of a component classified as hazardous or more than 0.1% of a component classified as carcinogenic.

4 FIRST AID MEASURES

Oligodeoxyribonucleic Acid

- Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration.
- Skin Contact:** Wash off with soap and plenty of water.
- Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water.

5 FIRE FIGHTING MEASURES

- Flammability:** N/A
- Flash Point:** N/A
- Flash Point Method:** N/A
- Burning Rate:** N/A
- Autoignition Temperature:** N/A
- Lower Explosive Limit:** N/A
- Upper Explosive Limit:** N/A

Suitable extinguishable media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products

Hazardous decomposition products formed under fire conditions - Carbon oxides.

Hazardous decomposition products formed under fire conditions - Nature of decomposition products not known

6 ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment. Avoid breathing dust, vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Keep in a suitable, closed container for proper disposal.

7 HANDLING AND STORAGE

- Handling Precautions:** Avoid Inhalation
- Avoid contact with eyes, skin, and clothing
- Storage Requirements:** Keep tightly closed
- Store in cool, dry place
- Recommended storage: 4°C

Oligodeoxyribonucleic Acid

8

EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment:

Respiratory:
Respiratory protection not required. Work in a well ventilated area or laboratory hood.

Hand:
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye:
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin and Body:
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene Measures:
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Environmental Exposure Controls:
Prevent product from entering drains.

9

PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, colorless	Odor:	N/A
Physical State:	Liquid	Molecular Formula:	N/A
Odor Threshold:	N/A	Solubility:	N/A
Particle Size:	N/A	Softening Point:	N/A
Specific Gravity or Density:	N/A	Percent Volatile:	N/A
Viscosity:	N/A	Heat Value:	N/A
Saturated Vapor Concentration:	N/A	Freezing or Melting Point:	N/A
Boiling Point:	N/A	Flash Point:	N/A
Flammability:	N/A	Octanol:	N/A
Partition Coefficient:	N/A	Vapor Density:	N/A
Vapor Pressure:	N/A	Volatile organic compound:	N/A
pH:	N/A	Bulk Density:	N/A
Evaporation Rate:	N/A	Autoignition Temperature:	N/A
Molecular weight:	N/A	Upper Flammability Limit and Lower Flammability Limit:	N/A
Decompression Temperature:	N/A		

10

STABILITY AND REACTIVITY

Reactivity: Stable under recommended storage conditions. Hydroscopic.

Chemical Stability: Stable under recommended storage conditions. Hydroscopic.

Conditions to Avoid (incompatibility): Strong oxidizing agents

Hazardous Decomposition: Hazardous decomposition products formed under fire conditions - Carbon oxides.

Other decomposition products - no data available

11

TOXICOLOGICAL INFORMATION

Oligodeoxyribonucleic Acid

Acute Toxicity

Oral LD50: No data available

Inhalation LC50: No data available.

Dermal LD50: No data available.

No other information on acute toxicity: No data available.

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component of this product at levels greater than or equal to 0.1% is identified as probably, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen or anticipated carcinogen by NTP.

OSHA: No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Reproductive toxicity

No data available

Teratogenicity

No data available

Specific target organ toxicity - single exposure (GHS)

No data available

Specific target organ toxicity - repeated exposure (GHS)

No data available

Aspiration hazard

No data available.

Potential Health Effects:

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

Ingestion: May be harmful if swallowed.

Synergistic effects

No data available

Additional information

RTECS: Not available

Oligodeoxyribonucleic Acid

Data not available.

13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with Federal, State and local regulations.

14 TRANSPORT INFORMATION

Substance considered non-hazardous for ground or air transport. No DOT shipping name required.

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Regulatory CODE Descriptions

U.S. Federal Regulations:

OSHA Hazards

No known OSHA hazards.

SARA 302:

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313:

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

Massachusetts Right to Know Components:

No components are subject o the Massachusetts Right to Know Act.

California Prop 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16 OTHER INFORMATION

Disclaimer:

This product intended for research use only. Not for use in diagnostic procedures. Use of material must be supervised by technically qualified individual.

The above information is believed to be accurate but may not be all inclusive and shall be used as a reference guide only. ArcherDX, Inc. shall not be held liable for any damage resulting from handling or contact with this product.