

Material Safety Data Sheet

Oligodeoxyribonucleic Acid, Unmodified – Harmonized Code: 2934908900

1) Product ID

Synonyms: Synthetic DNA, Oligo

CAS No.: NA

Molecular Weight: Variable

Chemical Formula: guanine, adenine, thymine, cytosine - varies

2) Composition/Information on Ingredients

Oligonucleotide – 100% single stranded

3) Hazard Identification

Emergency Overview: Maybe harmful by inhalation, in contact with skin and if swallowed. May be irritating to the eyes, respiratory system and skin. The toxicological properties of this material have not been thoroughly investigated. Use prudent laboratory practices for handling chemical substance of unknown toxicity.

Skin Contact: Possible Irritant

Eye Contact: Possible Irritant

Ingestion: Possible Irritant

Inhalation: Possible Irritant

Injection: No information available

Carcinogen/reproductive toxin status:

OSHA: Not listed

NTP: Not listed

IARC: Not listed

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 persists, seek medical attention.

Eye Contact: Wash eyes with copious amounts of water or normal saline for at least 15 minutes. Observe for signs of irritation. If irritation persists, seek medical attention.

Ingestion: Get medical attention

Inhalation: Remove from exposure area to fresh air immediately. Get medical attention immediately.

Injection: If accidentally injected, seek medical attention.

Note to Physician: There is no specific antidote. Treat symptomatically and supportively.

5) Fire Fighting Measures

Fire and explosion hazard: None known to exist

Fire Extinguishing Media: Dry chemical, foam, carbon dioxide or water.

6) Accidental Release Measures

Occupational Spill: Wear appropriate protective clothing and chemically compatible gloves. Place spillage in appropriate container for waste disposal. Wash contaminated clothing before reuse.

Reportable Quantity: Not applicable

7) Handling and Storage

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 -20C). Use prudent laboratory practices for handling and storage of chemical substance of unknown toxicity.

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 prudent laboratory practices for handling chemical substances of known toxicity.

Eye Protection: Employees should wear splash proof or dust resistant safety goggles to prevent eye contact with this substance.

Clothing: Employees should wear protective clothing and equipment to prevent skin contact with this material.

Gloves: Employee must wear appropriate protective gloves to prevent contact with this material.

9) Physical and Chemical Properties

Description: Translucent or opaque powder or clear liquid.

pH: 7.5 (neutral)

10) Stability and Reactivity

Reactivity: No adverse reactions have been reported

Conditions to avoid: Prolonged storage at -20C recommended

Incompatibilities: Not available

Polymerization: Not available

11) Toxicological Information

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

Carcinogen status: No information available

Local Effects: No information available

Target Effects: No information available

At increased risk from exposure: No information available

12) Ecological Information

Environmental Impact Rating (0-4): No information available

Acute Aquatic Toxicity: No information available

Degradability: No information available

Log Bioconcentration Factor (BCF): No information available

13) Disposal Considerations

Observe all Federal, State and Local guidelines

14) Transportation Information

Ship as a non-regulated material. No transportation restrictions apply. The acute toxicity profile does not warrant shipment as a hazardous material (DOT) or a dangerous good (IATA)

15) Regulatory Information

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

FOR LABORATORY RESEARCH AND DEVELOPEMENT USE ONLY