

Safety Data Sheet



Oligonucleotide Ladder Standard, Part Number 5190-9029

Section 1. Product and company identification

1.1 Product identifier

Product name : Oligonucleotide Ladder Standard

Part No. (Chemical Kit) : 5190-9029

1.2 Relevant identified uses of the substance or mixture and uses advised against

Material uses : Analytical use
1 x 2 mL vial, 2 nmole per oligo

Details of the supplier of the safety data sheet

Supplier/Manufacturer : Agilent Technologies, Inc.
5301 Stevens Creek Blvd
Santa Clara, CA 95051
pdl-msds_author@agilent.com

1.3 Emergency telephone number: 1-800-277-9770
CHEMTREC®: 1-800-424-9300

Section 2. Hazards identification

A. GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

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 require a Material Safety Data Sheet (MSDS) or Safety Data Sheet (SDS). This product does not contain more than 1% of a component classified as hazardous and does not contain more than 0.1% of a component classified as carcinogenic. 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. Agilent shall not be held liable for any damages resulting from handling or from contact with the above product.

I. PICTOGRAM:	NOT APPLICABLE
II. SIGNAL WORD:	NOT APPLICABLE
III. HAZARD STATEMENTS:	NOT APPLICABLE
IV. PRECAUTIONARY STATEMENTS:	NOT APPLICABLE

Section 3. Composition/information on ingredients

	CAS #	PERCENT	HAZARDOUS CLASSIFICATION
Oligodeoxyribonucleic acid, unmodified	N/A	100%	NON-HAZARDOUS

Section 4. First aid measures

Eye contact	:Wash eyes with large amount of water or normal saline for at least 15 minutes. Observe for signs of irritation. If irritation is present, get medical attention.
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.
Inhalation	:Remove from exposure area to fresh air immediately. Get medical attention immediately.
Ingestion	:If accidentally injected, get medical attention.
Notes to physician	:There is no specific antidote. Treat symptomatically and supportively.

Section 5. Fire-fighting measures

- Fire and Explosion Hazard** : None known to exist
- Fire Extinguishing Media:** :Dry chemical, foam, carbon dioxide or water. Care should be taken as to not aerosolize the powder, where it could become an inhalation risk.

Section 6. Accidental release measures

- OCCUPATIONAL SPILL :** Wear appropriate protective clothing and chemically compatible gloves.
Place spillage in appropriate container for waste disposal.
- REPORTABLE QUANTITY (RQ)** Not applicable

Section 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 -25° C to -10° C). Use prudent 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 prudent laboratory practices for handling chemical substances of unknown toxicity.
- Eye Protection:** : Employees should wear splash proof or dust resistant safety goggles to prevent eye contact with this substance
- Clothing** : Employees should wear splash proof or dust resistant safety goggles to prevent eye contact with this substance
- Hands** : Employees should wear splash proof or dust resistant safety goggles to prevent eye contact with this substance..

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Section 9. Physical and chemical properties

- Description** : Translucent or opaque flake, film or powder like substance
- PH** : Not Available
- Molecular Weight** : Varies

Section 10. Stability and reactivity

- Reactivity** : No adverse reactions have been reported
- Conditions to avoid** : Prolonged Storage. Keep at -25° C to -10° C
- Incompatibilities** : Not available
- Polymerization** : Not available

Section 11. Toxicological information

<u>TOXICITY:</u>	The toxicological properties of this material have not been investigated. For research and development purposes only.
<u>CARCINOGEN STATUS:</u>	No information available.
<u>LOCAL EFFECTS:</u>	No information available.
<u>TARGET EFFECTS:</u>	No information available.
<u>AT INCREASED RISK FROM EXPOSURE:</u>	No information available.
<u>CARCINOGEN/REPRODUCTIVE TOXIN STATUS:</u>	
<u>IARC</u>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC
<u>ACGIH</u>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH
<u>NTP</u>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP
<u>OSHA</u>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA

Section 12. Ecological information

<u>ENVIRONMENTAL IMPACT RATING (0-4):</u>	No data available
<u>ACUTE AQUATIC TOXICITY:</u>	No data available
<u>DEGRADABILITY:</u>	No data available
<u>LOG BIOCONCENTRATION FACTOR (BCF):</u>	No data available

Section 13. Disposal considerations

Observe all Federal, State and Local Regulations.

Section 14. Transport 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).

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:

Long Term Exposure

Short Term Exposure:

Possible Irritant

No information available

EYE CONTACT:

Long Term Exposure

Short Term Exposure:

Possible Irritant

No information available

INGESTION:

Long Term Exposure

Short Term Exposure:

Possible Irritant

No information available

INHALATION:

Long Term Exposure

Short Term Exposure:

Possible Irritant

No information available

INJECTION:

Long Term Exposure

Short Term Exposure:

No information available

No information available

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