

MATERIAL SAFETY DATA SHEET

(EFFECTIVE DATE 1st JANUARY 2016)

1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

A. PRODUCT IDENTIFIERS

Product Name - Oligodeoxyribonucleic Acid, Unmodified

Synonyms - Synthetic DNA, Oligonucleotides, Polynucleotides

B. DETAILS OF SUPPLIER OF SAFETY DATA SHEET

Company - Garvan Institute for Medical Research

Address - 384 Victoria Street, Darlinghurst NSW 2010

Telephone - +61 (0) 2 9295 8100

Emergency Phone No. - 24-Hour Emergency Telephone:

CHEMTREC: 1-800-424-9300

Note: CHEMTREC's emergency number is to be use only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

C. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE:

For research and development purposes only. Not intended for human or animal diagnostic or therapeutic use.

2 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients - Oligodeoxyribonucleic acids, unmodified

CAS# - N/A

Percent - 100%

Hazardous Classification - Non-Hazardous

This product contains no substances which at their given concentration are hazardous to health. However, we recommend handling all chemicals with caution.

3 - HAZARD IDENTIFICATION

Australian MSDS Statement - Classified as non-hazardous according to the criteria of Work Safe Australia.

Signal Word - Non Hazardous

Health hazards - Non Hazardous

Physical hazards - Non hazardous

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. Garvan shall not be held liable for any damages resulting from handling or from contact with the above product.

4 - FIRST-AID MEASURES

Skin Contact - Flush affected areas with water and then with mild soap or detergent and water. If irritation of skin occurs, see medical attention.

Eye contact - Rinse eyes with large water amounts for at least 15 minutes. If irritation or symptoms occur, seek medical attention.

Ingestion - Seek medical attention.

Inhalation - Remove from exposure to fresh areas immediately. If symptoms or irritations occur, seek medical attention.

Note to Physician - 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. Care should be taken as to not aerolize powder, where it could become an inhalation risk.



MATERIAL SAFETY DATA SHEET

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6 - ACCIDENTAL RELEASE MEASURES

Occupational Spill – Always wear appropriate protective clothing and chemically compatible gloves. Place spillage in appropriate container for waste disposal.

Reportable Quantity – Not applicable.

7 - HANDLING AND STORAGE

Handling Procedures and Equipment - Observe all federal, state and local regulations. Keep in dry, cool and well-ventilated place. Do not breathe dust and avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Storage Requirements - Keep tightly closed. Use prudent laboratory practices for handling and storage of chemical substances of unknown toxicity.

8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure limits – OSHA, ACGIH or NIOSH has not established occupational exposure limits for this substance. However, we recommend using prudent laboratory practices for handling chemical substances.

Specific Engineering Controls – Use in well ventilated space.

Eye Protection – Employees should wear safety glasses with side shields to prevent eye contact with this substance.

Clothing – Employees should wear appropriate protective clothing, such as laboratory coat with long sleeves, and equipment to prevent skin contact with this material.

Gloves – Employees should wear impervious gloves to prevent contact with this material.

Hygiene Measure – Handle in accordance with good industrial hygiene and safety practice.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Description – Translucent or opaque flake, film or powder-like substance.

pH – Not available.

Molecular Weight – Varies.

Odor – None.

Boiling point / range – No data available.

10 - STABILITY AND REACTIVITY

Stability – stable under normal conditions.

Reactivity – No adverse reactions have been reported.

Conditions to avoid – prolonged storage. Keep at 4 C / 39 F.

Polymerization – Hazardous polymerization does not occur.

Decomposition – No hazardous decomposition under normal conditions.

11 - TOXICOLOGY INFORMATION

Effects of Acute Exposure – No known effects.

Effects of chronic exposure - No known effects.

Toxicity – Not hazardous. For research and development purposes only.

Carcinogen Status – None. 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, ACGIH, NTP or OSHA.

Mutagenic Status – None.

Reproductive Toxicity – None.

Sensitization – None.

Embrototoxicity – None.

Teratogenicity – None.

Local Effects – No known effects.

MATERIAL SAFETY DATA SHEET

(EFFECTIVE DATE 1st JANUARY 2016)

12 - ECOLOGICAL INFORMATION

Aquatic toxicity – None.

Mobility – None.

Biodegradation – Inherently biodegradable.

Bioaccumulation - Material does not bioaccumulate.

13 - DISPOSAL CONSIDERATIONS

Dispose of contents/containers in accordance with all Federal, State and Local Regulations.

14 - TRANSPORT INFORMATION

Ship as a non-regulated material. No transportation restrictions apply. Not a hazardous material (DOT) or a dangerous good (IATA).

IATA Proper Shipping Name – Not Classified As Dangerous In The Meaning Of Transport Regulations.

Hazard Class – None.

Subsidiary Class – None.

Packing Group – None.

UN-no – None.

15 - REGULATORY INFORMATION

International Inventories – Complies

16 - OTHER INFORMATION

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

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

End of Safety Data Sheet.