

1. PRODUCT AND COMPANY IDENTIFICATION

A. PRODUCT IDENTIFIERS

PRODUCT NAME : DNA Methylation Control. Includes products: Methylation Positive Control, Methylation Negative Control, Assay Calibration Control.
 SYNONYMS : Synthetic DNA methylation controls
 INDEX # : N/A
 CAS # : N/A

B. DETAILS OF SUPPLIER OF THE SAFETY DATA SHEET

COMPANY : MethylDetect ApS
 Niels Jernes Vej 10
 9220 Aalborg Ø, Denmark
 TELEPHONE : +45 9146 3664

C. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE:
 For research and development purposes only.

2. HAZARD 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. IDT 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

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS #	PERCENT	HAZARDOUS CLASSIFICATION
Oligodeoxyribonucleic acid, partially methylated	N/A	100%	NON-HAZARDOUS
Nuclease-free water	7732-18-5	100%	NON-HAZARDOUS

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 is present, get medical attention.

EYE CONTACT: Wash eyes with large amounts of water or normal saline for at least 15 minutes. Observe for signs of irritation. If irritation is present, get medical attention. Get medical attention

INGESTION:
INHALATION: Remove from exposure area to fresh air immediately. Get medical attention immediately.
If accidentally injected, get medical attention.

INJECTION:
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. Care should be taken as to not aerosolize the powder, where it could become an inhalation risk.

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.
Not Applicable

REPORTABLE QUANTITY (RQ):

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 4o C). Use prudent laboratory practices for handling and storage of chemical substances 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 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 appropriate protective clothing (laboratory coat with long sleeves) and equipment to prevent skin contact with this material. Employee must wear appropriate protective gloves to prevent contact with this material.

GLOVES:

9. PHYSICAL AND CHEMICAL PROPERTIES

Clear liquid
Not available
Varies

DESCRIPTION:
PH:
MOLECULAR
WEIGHT:

10. STABILITY AND REACTIVITY

No adverse reactions have been reported.
Prolonged storage at room temperature. Keep at 4° C.

REACTIVITY:
CONDITIONS TO
AVOID
INCOMPATIBILITIES:
POLYMERIZATION:

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.
CARCINOGEN/REPRODUCTIVE TOXIN STATUS:	
IARC	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	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
NTP	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
OSHA	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

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

Observe all Federal, State and Local Regulations.

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

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

16. OTHER INFORMATION

POTENTIAL HEALTH EFFECTS:

SKIN CONTACT:	Short Term Exposure:	Possible Irritant
	Long Term Exposure:	No information available
EYE CONTACT:	Short Term Exposure:	Possible Irritant
	Long Term Exposure:	No information available
INGESTION:	Short Term Exposure:	Possible Irritant
	Long Term Exposure:	No information available
INHALATION:	Short Term Exposure:	Possible Irritant
	Long Term Exposure:	No information available
INJECTION:	Short Term Exposure:	No information available

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