Material Safety Data Sheet
(Non-Standard-Portfolio)
Version 01
Oligonucleotides (Primer and Probes)

SECTION 1: Identification of the product/Other Information

- **Product Name:** Oligonucleotides (primer or probe)
- **Relevant identified uses of the substance or mixture and uses advised against:**
  - Use: Reagents for research use
  - Uses advised against: No
- **Manufacturer/Supplier:**
  - TIB Molbiol Syntheselabor GmbH
  - Address: Eresburgstraße 22-23
    Berlin 12103
    Germany
  - Telephone: 0049 30 787 994 50
  - Email: dna@tib-molbiol.de
- **Emergency Telephone Number:** Not applicable (no hazards related to the products)

Note: This product does not contain any substances classified as hazardous to health or the environment.

Please note: The MSDS for products supplied through Roche are accessible at https://pim-eservices.roche.com/

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SECTION 2: Hazards identification

- **Classification of the substance or mixture:**
  Not classified under CLP regulation CE n. 1272/2008, n. 67/548/CE, n. 1999/45/CE
  CAS 91080-16-9 single-stranded Deoxyribonucleic acid (ssDNA)
  Label Elements: Follow general safety regulations for handling chemicals. This product is not subject to identification regulations according to EU directives on hazardous materials.
- **Other Hazards:** None known

SECTION 3: Composition/information on ingredients

- **Chemical characteristics:** Short synthetic Deoxyribonucleic acid (ssDNA)
- Not from human, animal, or plant origin. Product contains synthetic oligonucleotide primers and probes.

SECTION 4: First aid measures

- **Description of first aid measures:** No special general measures required. After skin contact, wash skin with soap and abundant water. Product does not irritate skin. After eye contact, rinse opened eyes for several minutes under running water. Substances are not harmful.
- **Most important symptoms and effects, both acute and delayed:** None expected under normal conditions of use.
- **Indication of any immediate medical attention and special treatment needed:** None required.

SECTION 5: Firefighting measures

- **Extinguishing Media:** Use extinguishing media (CO_2, powder or water) appropriate for surrounding fire.
- **Special hazards arising from the substance or mixture:** None known.
- **Advice for firefighters:** Standard protective equipment and precautions for firefighters.

SECTION 6: Accidental release measures

- **Personal precautions, protective equipment, and emergency procedures:** No special measures required.
- **Environmental precautions:** Abundantly dilute with water.
- **Methods and material for containment and cleaning up:** Clean with absorbent material. Dispose of in accordance with local regulations.

SECTION 7: Handling and storage

- **Precautions for safe handling:** No special handling procedures required.
- **Conditions for safe storage, including any incompatibilities:** See Labeling
- **Specific end use(s):** No specific information is available.

SECTION 8: Exposure controls/personal protection

- **Control Parameters:** No ingredients that must be monitored during working activities.
- **Exposure Controls:** Adopt general safety measures for the handling of chemicals.
    - Eye Protection: Wear goggles (general lab device)
    - Skin Protection: Gloves are not mandatory
    - Respiratory Protection: None required.
    - General Hygiene Considerations: Wash hands after handling.

SECTION 9: Physical and chemical properties

- **Information on basic physical and chemical properties:**
  - Form: Lyophilized (dry powder)
  - Color: Yellow, green-gray, blueish, reddish, or colorless
  - Odor: Odorless
- **Change in condition:**
  - Melting point: Undefined
  - Boiling point: Undefined
  - Autoignition: Product not subject to autoignition
  - Flash point: Not applicable
  - Danger of explosion: Product not subject to explosion
  - Density at 20°C: Undefined
  - Solubility in/miscibility with water: completely soluble

SECTION 10: Stability and reactivity

- **Reactivity:** No known reactivity hazards. Stable under normal conditions.
- **Chemical stability:** Stable under normal conditions.
- **Possibility of hazardous reactions:** None known.
- **Conditions to avoid:** None known.
- **Incompatible materials:** None known.
- **Hazardous decomposition products:** None known.

SECTION 11: Toxicological information

- **Information on toxicological effects:**
  - **Acute toxicity:** No known effect
  - **Primary irritant effect:**
    - Skin corrosion/irritation: Not known, it may have irritating effects
    - Serious eye damage/eye irritation: Not known, it may have irritating effects
    - Respiratory or skin sensitization: No known respiratory or sensitizing effects.
  - **Other toxicological information:** The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. The toxicological properties of this product have not been thoroughly investigated.

SECTION 12: Ecological information

- **Toxicity:** Not expected to be hazardous to the environment.
- **Persistence and degradability:** No data available.
- **Bioaccumulative potential:** No data available.
- **Mobility in soil:** No data available.
- **Polybutylene terephthalate:** No data available.
- **Results of PBT and vPBP assessment:** Not applicable
- **Other adverse effects:** None known.

SECTION 13: Disposal considerations

- **Waste treatment methods:**
  - **Product:** Dispose of in accordance with local regulations. See also sections 7 and 8.
  - **Unclean packaging:** Dispose of in accordance with local regulations. See also sections 7 and 8.

SECTION 14: Transport information

- **UN Number:** Not applicable
- **UN Proper Shipping Name:** Not applicable
- **Transport hazard class(es):**
  - Land Transport ADR/RID (cross border):
    - Class ADR/RID-GGVS/E: -
    - Advice: Not hazardous
  - Maritime Transport IMDG:
    - Class IMDG: -
    - Marine pollutant: No
    - Advice: Not hazardous
  - Transport by air ICAO-TI e IATA-DGR:
    - Class ICAO/IATA: -
    - Advice: Not hazardous
- **Packaging group:** Not applicable
- **Environmental hazards:** None known
- **Special precautions for user:** None required
- **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:** Not applicable

SECTION 15: Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:** No regulatory requirements.
- **Chemical Safety Assessment:** A chemical safety assessment has not been carried out for this product.

This information is based on our present knowledge. However, this shall not establish a legally valid contractual relationship.

Note: This product is not hazardous (according to regulation (EC) No 1272/2008), not toxic, not IATA-restricted. Not from human, animal or plant origin. Product contains synthetic oligonucleotide primers and probes.

According to OSHA 29CFR1910.1200, Australia [NOHSC:1005, 1008 (1999)] and EU Directives (EC) No 1907/2006 and (EC) No 2015/830, any products which do not contain more than 1% of a component classified as hazardous or carcinogenic do not require a MSDS.