

Safe-Green™ 1kb Opti-DNA Marker

Cat#: orb545601 (MSDS)

Section 1 - Product and Company Information

Product Code orb545601

Product Name Safe-Green™ 1kb Opti-DNA Marker

Section 2 - Hazards Identification

GHS-Classification

Signal Word

Not Hazardous

Health Hazard

Not Hazardous

Physical Hazards

Not Hazardous

Principle Routes of Exposure/Potential Health Effects

Eyes May cause eye irritation with susceptible persons.

Skin May cause skin irritation in susceptible persons.

Inhalation May be harmful by inhalation.

Ingestion May be harmful if swallowed.

Specific Effects

Carcinogenic Effects None

Mutagenic Effects None

Reproductive Toxicity None

Sensitization None

Target Organ Effects No known effects under normal use conditions.

HMIS

Health 0

Flammability 0

Reactivity 0

Section 3 - Composition/Information on Ingredient

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals

Biorbyt Ltd.

5 Orwell Furlong, Cowley Road, Cambridge, Cambridgeshire

CB4 0WY, United Kingdom

Email: info@biorbyt.com | Phone: +44 (0)1223 859 353 | Fax: +44(0)1223 280 240

Biorbyt LLC

Suite 103, 369 Pine Street, San Francisco

California 94104, United States

Email: info@biorbyt.com | Phone: +1 (415)-906-5211 | Fax: +1 (415) 651 8558

Section 4 - First Aid Measures

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin contact Wash off with soap and plenty of water. Consult a physician.

Inhalation If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

Ingestion Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Notes to physician Treat symptomatically.

Section 5 - Fire Fighting Measures

Suitable extinguishing media Water spray, alcoholresistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters Wear self-contained breathing apparatus for fire fighting if necessary.

Unusual Fire and Explosions Hazard(s) N/A

Flash Point N/A

Autoignition Temp N/A

Flammability N/A

Section 6 - Accidental Release Measures

Personal Precautions Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of vapors. Wear disposable coveralls and discard them after use.

Methods for Cleaning-up Soak up with inert absorbing materials and place in a closed container for disposal. Ventilate area and wash spill site after material pickup is complete.

Environmental Precautions Prevent further leakage or spillage if safe to do so. See Section 12 for additional information.

Section 7 - Handling and Storage

Handling Always wear recommended Personal Protective Equipment. No special handling required.

Storage Keep cap tightly closed. Store at -20°C.

Section 8 - Exposure Controls / PPE

Exposure Limits

We are not aware of any national exposure limit

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Personal Protective Equipment requirements are dependent of the user institution's risk assessment, and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory Protection Wear Suitable respiratory equipment if ventilation is insufficient.

Hand Compatible chemical-resistant gloves.

Eye Compatible safety goggles.

Skin and body protection Lightweight protective clothing.

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

Environmental Exposure Controls

Prevent product entering drains

Section 9 - Physical and Chemical Properties

General Physical Properties

Form Liquid

Appearance Green

Odor Mild

Boiling Point/Range oC no data available oF no data available

Melting Point/Range oC no data available oF no data available

Flash Point oC no data available oF no data available

Auto-ignition Temperature oC no data available oF no data available

Oxidizing Properties No information available

Solubility No information available

pH Range No information available

Section 10 - Stability and Reactivity

Stability Stable under normal conditions.

Materials to Avoid No dangerous reaction known under normal conditions.

Hazardous Decomposition Products None under normal conditions.

Hazardous Polymerization Does not occur.

Section 11 - Toxicological Information

Acute Toxicity No information available

Principle Route of Exposure/Potential Health Effects

Eye May cause eye irritation with susceptible persons.

Skin May cause skin irritation in susceptible persons.

Inhalation May be harmful by inhalation.

Ingestion May be harmful if swallowed.

Carcinogenic Effects None

Mutagenic Effects None

Reproductive Toxicity None

Sensitization None

Target Organ Effects No known target organ effects.

Section 12 - Ecological Information

Ecotoxicity Effects No information available.

Mobility No information available.

Biodegradation Inherently biodegradable.

Bioaccumulation Does not bioaccumulate.

Section 13 - Disposal Considerations

Dispose of in accordance with local regulations.

Section 14 - Transportation Information

IATA

Proper Shipping Name Not classified as dangerous under the transport regulations.

Hazard Class None

Subsidiary Class None

Packing Group None

Un-No None

Section 15 - Regulatory Information

U.S. Federal Regulations

SARA 313

Not Regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs)

Contains no HAPs.

U.S. State Regulations

California Proposition 65

Contains no chemical listed under Proposition 65.

Canadian Regulations

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by CPR.

WHMIS Hazard Class

Not controlled.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.