
SAFETY DATA SHEET

Date Updated: 04/03/2022

< 1 > Product and Company Information

Product Name DynaMarker DNA High D
Code No. DM122
Company BioDynamics Laboratory Inc.
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<2 > Hazards Identification

GHS Classification:
Classification not possible

Symbol: None
Signal word: None
Hazard statement(s): None
Precautionary statement(s): None
Supplemental Hazard Statements: None

<3 > Composition/Information on Ingredients

Component 1: DynaMaker DNA High D
Component 2: 6 x BPB loading dye

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

Hazardous Ingredient(s) : None

< 4 > First Aid Measures

Description of first aid measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled: Not expected to be an inhalation hazard under anticipated conditions of normal use of this material.
 Consult a physician if necessary.
In case of skin contact: Wash off with soap and plenty of water. Consult a physician.
In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Indication of any immediate medical attention and special treatment needed

No data available

< 5 > Fire Fighting Measures

Extinguishing media

Suitable extinguishing media:
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture:
No data available

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Further information: No data available

< 6 > Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up:

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Reference to other sections: For disposal see section 13.

< 7 > Handling and Storage

Precautions for safe handling:

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.

Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage temperature:

- 20 °C

Specific end use(s): No data available

< 8 > Exposure Controls / PPE

Engineering controls

Ensure adequate ventilation, especially in confined areas

Personal Protective Equipment

Respiratory: In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

Hand: Compatible chemical-resistant gloves.

Eye: Chemical safety goggles.

General Hygiene Measures

Wash contaminated clothing before reuse. Wash thoroughly after handling.

< 9 > Physical/Chemical Properties

	Component 1	Component 2	
Appearance Form:	liquid, clear	liquid, clear	
	Color: Blue	Color: Blue	
Odor:	N/A	N/A	
Odor Threshold:	N/A	N/A	
pH:	N/A	N/A	
Melting point/freezing point:	N/A	N/A	
Initial boiling point and boiling range:	N/A	N/A	
Flash point:	N/A	N/A	
Evaporation rate:	N/A	N/A	
Flammability (solid, gas):	N/A	N/A	
Upper/lower flammability or explosive limits:	N/A	N/A	
Vapour pressure:	N/A	N/A	
Vapour density:	N/A	N/A	
Relative density:	N/A	N/A	
Water solubility:	N/A	N/A	
Partition coefficient (n-octanol/water):	N/A	N/A	
Auto-ignition temperature:	N/A	N/A	
Decomposition temperature:	N/A	N/A	
Viscosity:	N/A	N/A	
Explosive properties:	N/A	N/A	*N/A = not available

< 10 > Stability and Reactivity

Stability: Stable under normal conditions.

Materials to Avoid: No dangerous reaction known under conditions of normal use.

Hazardous Decomposition Products: None under normal use.

Hazardous Polymerization: No data available

< 11 > Toxicological Information

Information on toxicological effects

Acute toxicity:	No data available.
Skin corrosion/irritation:	May cause skin irritation in susceptible person.
Serious eye damage/eye irritation:	May cause eye irritation with susceptible person.
Respiratory/ Skin sensitization:	Respiratory sensitization: No data available. Skin sensitization: No data available.
Germ cell mutagenicity:	No data available.
Carcinogenicity:	No data available.
Reproductive toxicity:	No data available.
Specific target organ toxicity	
- Single exposure:	No data available.
- Repeated exposure:	No data available.
Aspiration hazard:	No data available.

< 12 > Ecological Information

Hazardous to the aquatic environment

(Acute):	No data available.
(Long-term):	No data available.
Hazardous to the ozone layer:	No data available.

< 13 > Disposal Considerations

Appropriate method of disposal of substance or preparation.

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

< 14 > Transport Information

UN number:	ADR/RID: -	IMDG: -	IATA-DGR: -
UN proper shipping name:	ADR/RID: -	IMDG: -	IATA-DGR: -
Transport hazard class(es):	ADR/RID: -	IMDG: -	IATA-DGR: -
Packaging group:	ADR/RID: -	IMDG: -	IATA-DGR: -
Environmental hazards:	ADR/RID: -	IMDG: -	IATA-DGR: -
Special precautions for user:	No data available		

< 15 > Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulatory information

Law concerning Pollutant Release and Transfer Register / PRTR Law:	Not applicable.
Industrial Safety and Health Law:	Not applicable.
Chemical Substances Control Law:	Not applicable.
Fire Service Law:	Not applicable.
Poisonous and Deleterious Substances Control Law:	Not applicable.

< 16 > Reference

- 1) Japan CHEmicals Collaborative Knowledge database
 - 2) NITE Chemical Risk Information Platform)
 - 3) UNECE web page (GHS pictograms)
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< 17 > Other Information

DISCLAIMER

For R&D use only. Not for drug, household or other uses.

WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Biodynamics Laboratory Inc., shall not be held liable for any damage resulting from handling or from contact with the above product.