	TITLE: SDS BioCode® DNA-IC Pack			
	DOCUMENT NO: SPC-0791	DOCUMENT CATEGORY: SDS	REVISION: 01	EFFECTIVE DATE: 11-Feb-2022

1 Product and Company Identification

Product identifier

Trade name: **BioCode® DNA-IC Pack**

Product Code: 64-D0001

Application of the substance / the mixture: Molecular Standards are used as controls for developing, validating, and monitoring molecular instruments and assays.

Details of the supplier of the safety data sheet Manufacturer/Supplier:

Applied Biocode Inc.

12130 Mora Dr. Unit 2, Santa Fe Springs, CA 90670

1-833-246-2633 or (562)-801-0050

Emergency telephone number:

For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident

Call 858-824-9000 or 320-253-1640

2. Hazard(s) Identification

Classification of the substance or mixture

The product is not classified as hazardous according to the Globally Harmonized System (GHS).

Label elements

GHS label elements

This substance contains no ingredients at concentrations considered hazardous as defined by OSHA 29CFR 10101200 however this product should be handled according to good laboratory practices, with proper personal protective equipment and within the parameters of the purchaser's chemical hygiene plan.

Hazard pictograms: Not applicable

Signal word: Not applicable

Hazard statements: Not applicable

Classification system:

NFPA ratings (scale 0 - 4)

Health = 0

Fire = 0

Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = 0

Fire = 0

Reactivity = 0

OSHA Hazard Overview (Criteria according to 29CFR1910.1200): Not applicable

Target Organ(s): Not applicable or unknown

Other hazards:

This mixture has not been tested to determine the overall health hazard; therefore in accordance with 29CFR1910.1200, the data reported above pertains to the hazardous ingredients of this mixture.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable

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3 Composition/information on ingredients

Chemical characterization: Mixtures

Description:

The product is a mixture of the hazardous substances listed below along with unlisted nonhazardous substances. The exact concentration percentages of the hazardous substances may be withheld as an Applied BioCode trade secret.

CAS	Description	Content
7365-45-9	Hepes	1%
7732-18-5	Water	96%
NA	Tripticase	3%

Additional information: For the wording of the listed risk phrases refer to section 15

4. First aid measures

General information: No special measures required.

After inhalation: If the patient feels unwell or is concerned, obtain medical advice.

After skin contact: Wash off with soap and plenty of water. Consult a physician.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: If the patient feels unwell or is concerned, obtain medical advice.

Information for doctor:

Most important symptoms and effects, both acute and delayed: None

Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5. Fire-fighting measures

Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture: None known

Advice for firefighters: No special advice

Protective equipment: No special measures required.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Wear appropriate protective clothing and chemically compatible gloves. Place spillage in appropriate container for waste disposal. Wash contaminated clothing before reuse.

Environmental precautions:

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Reference to other sections

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 13 for disposal information.

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7. Handling and storage

Handling:

Precautions for safe handling: No special measures required.

Information about protection against explosions and fires: The product is not flammable.

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

Specific end use(s): No further relevant information available.

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.

Gloves: Employee must wear appropriate protective gloves to prevent contact with this material.

9. Physical and chemical properties

Form:	Liquid
Color:	Amber
Odor:	Odorless
Odor threshold:	Not determined
pH value at 30°C:	Not determined
Melting point/range:	Not determined
Boiling point/range:	Not determined
Flash point (solid or gas):	Not applicable
Flammability:	Not applicable
Ignition temperature:	Not determined
Decomposition temperature:	Not determined
Auto igniting:	Not applicable
Danger of explosion:	Product does not present an explosion hazard
Vapor pressure:	Not determined
Density:	Not determined
Relative density:	Not determined
Vapor density:	Not determined
Evaporation rate:	Not determined
Solubility in /Miscibility with water:	Fully miscible
Partition coefficient:	Not determined
Viscosity:	Not determined
Dynamic:	Not determined

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Kinematic	Not determined
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10 Stability and reactivity

Reactivity: No further relevant information available.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

11. Toxicological information

LD/LC50 values that are relevant for classification: No data available

Primary irritant effect:

on the skin: None anticipated under normal product use.

on the eye: May cause eye irritation.

Sensitization: No sensitizing effects known.

Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Carcinogenic categories:

IARC (International Agency for Research on Cancer): None of the ingredients are listed.

NTP (National Toxicology Program): None of the ingredients are listed.

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients are listed.

12 Ecological information

Toxicity:

Aquatic toxicity: Not classified

Persistence and degradability: Not available

Behavior in environmental systems:

Bioaccumulative potential: Not available

Mobility in soil: Not available

Ecotoxicological effects: Not available

Results of PBT and vPvB assessment PBT: Not applicable.

Other adverse effects: No further relevant information available.

13 Disposal considerations

Waste treatment methods recommendation:


Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: Handling and Storage and Section 8: Exposure Control/Personal Protection for additional handling information and protection of employees.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agent: Water, if necessary with cleansing agents.

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14 Transport information

UN-Number	Not hazardous for transportation
DOT, ADR, ADN, IMDG, IATA	Void
UN proper shipping name	None
DOT, ADR, ADN, IMDG, IATA	Void
Transport hazard class(es)	None
DOT, ADR, ADN, IMDG, IATA Class	Void
Packing group	None
DOT, ADR, IMDG, IATA	Void
Environmental hazards:	
Marine pollutant:	No
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
UN "Model Regulation":	Void

15 Regulatory information

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

Section 355 (extremely hazardous substances):	None of the ingredients are listed.
Section 313 (Specific toxic chemical listings):	None of the ingredients are listed
TSCA (Toxic Substances Control Act):	All ingredients are listed.

Proposition 65

Chemicals known to cause cancer:	None of the ingredients are listed.
Chemicals known to cause reproductive toxicity for females:	None of the ingredients are listed.
Chemicals known to cause reproductive toxicity for males:	None of the ingredients are listed.
Chemicals known to cause developmental toxicity:	None of the ingredients are listed.

Carcinogenicity categories

EPA (Environmental Protection Agency):	None of the ingredients are listed.
TLV (Threshold Limit Value established by ACGIH):	None of the ingredients are listed
NIOSH-Ca (National Institute for Occupational Safety and Health):	None of the ingredients are listed.


GHS label elements :	Void
Signal word:	Void
Hazard statements:	Void

National regulations:

Water hazard class:	None of the ingredients are listed.
Chemical safety assessment:	A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organization

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Current