Biomātrica

SAFETY DATA SHEET

This SDS complies with GHS REVISION 5, OSHA 29CFR 1910.1200

Section 1: Chemical Product and Company Identification

MANUFACTURER'S NAME
Biomatrica
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EFFECTIVE DATE: October 17, 2016

REVISION DATE: October 17, 2016

PRODUCT NAME: **PCRboost®**
CATALOG NUMBER 63301-011
FORMULA: Preparation/Mixture
PRODUCT USE: Enhanced amplification of DNA and RNA in end-point and reverse transcription-PCR reactions.
This product is to be used only for Research and Development (R&D) purposes.

Section 2: Hazards Identification

GHS Hazard Class		Not a hazardous substance or mixture.
Signal word:		None
Hazard Statement:		None
Precautionary Statements:	Prevention	No precautionary statement.
	Response	No precautionary statement.
	Storage	No precautionary statement.
	Disposal	No precautionary statement.

Hazards not otherwise classified (HNOC) or not covered by GHS - None

HAZARD CLASSIFICATION: Not classified as hazardous based on IATA, IMDG, and DOT.

POTENTIAL HEALTH EFFECTS: 0 % of mixture consists of ingredients of unknown acute toxicity

APPEARANCE: Colorless liquid

Section 3: Composition, Information on Ingredients

No ingredients are hazardous according to OSHA criteria.

No components need to be disclosed according to applicable regulations.

Section 4: First Aid Measures

Description of First Aid Measures

Inhalation	Remove to fresh air. If not breathing, seek medical attention and provide CPR (cardio pulmonary resuscitation) if trained.
Skin Contact	Wash skin with soap and water.
Eye Contact	Flush eyes with water for 15 minutes as a precaution.
Ingestion	Never give anything to an unconscious person. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed

No data available.

Indication of any immediate medical attention and special treatment needed

No data available.

Section 5: Fire-fighting Measures

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.
Protective actions fire-fighters	Wear standard protective equipment and self-contained breathing apparatus for firefighting if necessary.
Further information	No data available.

Section 6: Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures
Wear proper personal protective equipment. Avoid breathing vapors or mist.

Environmental precautions
Prevent further leakage or spillage if safe to do so. Prevent spills or contaminated rinse water from entering sewers or watercourses.

Methods and materials for containment and cleaning up
In case of small spills, absorb with inert materials. Place in a chemical waste container.

Reference to other Sections
For personal protection, reference Section 8. For disposal, reference Section 13.

Section 7: Handling and Storage

Precautions for safe handling

Wear proper protective equipment when handling this material.
Avoid contact with skin, eyes, or clothing.
Appropriate container should be used for disposal.
For precautions see Section 2.

Conditions for safe storage, including any incompatibilities

Store dry at room temperature in original packaging as provided by manufacturer.
Avoid storing in uncontrolled environments with elevated relative humidity above 50%.
Keep container closed when not in use.
Follow all applicable local regulations for handling and storage.

Specific uses

This product is intended for enhanced amplification of DNA and RNA in end-point and reverse transcription-PCR reactions.

Section 8: Exposure Controls/Personal Protection

Control Parameters

PRODUCT COMPOSITION	ACGIH TLV	OSHA PEL	NIOSH REL
Not applicable	-----	-----	-----

Exposure controls

VENTILATION:	Always provide good general, mechanical room ventilation where this chemical/material is used.
RESPIRATORY PROTECTION:	Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US).
PROTECTIVE GLOVES:	Handle with impervious gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
EYE PROTECTION:	Recommend eye protection using safety glasses.
SKIN PROTECTION:	Suitable protective clothing to prevent skin contact.
WORK/HYGIENE PRACTICES:	Avoid breathing vapor. Avoid contact with eyes. Wash hands after handling.
OTHER EQUIPMENT:	Make safety shower, eyewash stations, and hand washing equipment available in the work area.

Section 9: Physical and Chemical Properties

	PRODUCT CRITERIA
APPEARANCE - COLOR	Colorless
PHYSICAL STATE	Liquid
ODOR	Odorless
ODOR THRESHOLD	No data available
PH	7.9 to 8.1
MELTING POINT/FREEZING POINT	No data available
INITIAL BOILING POINT AND BOILING RANGE	No data available
FLASH POINT	No data available
EVAPORATION RATE	No data available
FLAMMABILITY (Solid, gas)	No data available
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS	Not Measured
VAPOR PRESSURE	No data available
VAPOR DENSITY (AIR = 1)	No data available
RELATIVE DENSITY (@25 ºC)	1.269 g/cm^3
SOLUBILITY(IES)	No data available
OXIDIZING PROPERTIES	No data available
PARTITION COEFFICIENT n-octanol/water	No data available
AUTO IGNITION TEMPERATURE	No data available
DECOMPOSITION TEMPERATURE	No data available
VISCOSITY	No data available

Section 10: Stability and Reactivity

Reactivity:	No data available.
Chemical Stability:	Stable at recommended storage conditions. See Section 7.
Possibility of Hazardous Reactions:	No data available.
Conditions to Avoid:	No data available.
Incompatibility (Materials to Avoid):	No data available.
Hazardous Decomposition Products:	In the event of fire, see Section 5.

Section 11: Toxicological Information

There is no toxicological information available for the product.

GHS Required Criteria	Toxicity Criteria	Toxicity Information	Comments	Chemical Constituent
Acute Toxicity		Data not available		
Skin Corrosion/Irritation		Data not available		
Serious Eye Damage / Eye Irritation		Data not available		
Respiratory or Skin Sensitization		Data not available		
Germ Cell Mutagenicity		Data not available		
Carcinogenicity	NTP	Not listed		
	IARC	Not listed		
	OSHA	Not listed		
Reproductive Toxicity		Data not available		
STOT -- Single Exposure		Data not available		
STOT – Repeated Exposure		Data not available		
Aspiration Hazard		Data not available		

STOT = Specific Target Organ Systemic Toxicity

Section 12: Ecological Information

Criteria	Toxicity Information	Chemical Constituent
Toxicity:	No information is available.	
Persistence and degradability:	No information is available.	
Bioaccumulative potential	No information is available.	
Mobility in soil:	No information is available.	
PBT and vPvB assessment:	PBT/vPvB assessment not available as chemical assessment not required/not conducted	
Other adverse effects:	No information is available.	

Section 13: Disposal Considerations

Waste from residues/unused products: Follow the waste disposal requirements of your country, state, or local authorities.

Contaminated packaging: Contaminated packaging material should be disposed of as stated above for residues and unused product.

Rinsate: Do not dispose of rinse water containing product in a sanitary sewer system or storm water drainage system.

Section 14: Transport Information

DOT TRANSPORT:		Not Regulated
ADR = International Carriage of Dangerous Goods by Road		Not Regulated
RAIL TRANSPORT:		Not Regulated
SEA TRANSPORT:	IMDG	Not Regulated
AIR TRANSPORT:	IATA/ICAO	Not Regulated

Section 15: Regulatory Information

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:

This product is in compliance with rules, regulations, and/or orders of TSCA and should be used in accordance with the Research and Development (R&D) exemption regulations of TSCA.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III SECTION 313 SUPPLIER NOTIFICATION:

This regulation requires submission of annual reports of toxic chemical(s) that appear in Section 313 of the Emergency Planning and Community Right To Know Act of 1986 and 40 CFR 372. This information must be included in all SDS's that are copied and distributed for the material.
The Section 313 toxic chemicals contained in this product are: None

CALIFORNIA PROPOSITION 65:

This regulation requires a warning for California Proposition 65 chemical(s) under the statute.
The California proposition 65 chemical(s) contained in this product are: None

STATE RIGHT-TO-KNOW TOXIC SUBSTANCE OR HAZARDOUS SUBSTANCE LIST:

Florida Toxic Substance(s):	Not listed
Massachusetts's hazardous substance(s):	Not listed
Pennsylvania hazardous substance code(s):	Not listed
New Jersey	Not listed
Illinois	Not listed
Michigan	Not listed
Minnesota	Not listed

CANADA:

This SDS contains all of the information required by the Controlled Products Regulations (CPR).

WHMIS-INFORMATION:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR), SOR/88-66, current to February 20, 2012. The classes of controlled products listed in the CPR, Section 32, Part IV, have been reviewed and based on Professional Judgment this product has been determined to not be WHMIS controlled.

Section 16: Other Information

Initial issue date:	October 17, 2016
Final revision date:	October 17, 2016
Revision Number:	1
Revision explanation	Initial version
Information Sources:	OSHA 29CFR 1910.1200

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