iRepertoire, Inc.

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	:	RT-PCR1/PCR1/PCR2 Barcoded Primers

Recommended use of the chemicals and restrictions on use

Recommended use	:	Laboratory - Research Use Only

Manufacturer's or suppliers details

Company	:	iRepertoire, Inc. 800 Hudson Way Suite 2304 Huntsville, Alabama 35806 USA
Telephone Number	:	1 (256) 327-0948
Email Address	:	info@irepertoire.com

Emergency Telephone

Telephone Number (8:00am to 5:00pm M-F)	:	1 (256) 327-0948

SECTION 2. HAZARDS

GHS Classification	:	Not a hazardous substance or mixture.
GHS Label element	:	Not a hazardous substance or mixture.
Potential Health Effects	:	Aggravated Medical Condition: None Known. Symptoms of Overexposure: No information available.
Other Hazard	:	None known.

Caricinogenicity:

IARC	:	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	:	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
OSHA	:	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	:	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture : Mixture

Hazardous ingredients

Chemical Name	CAS-No.	Concentration [%]
None	N/A	N/A

SECTION 4. FIRST MEASURES

General advice	:	Show this material safety data sheet to the doctor in attendance.
If inhaled	:	Move to fresh air. If symptoms persist, obtain medical attention.
In case of skin contact	:	Wash off with soap and water.
In case of eye contact	:	Rinse eyes with water as a precaution.
If swallowed	:	Rinse mouth and drink plenty of water afterwards.
Most important symptoms and effects, both acute and delayed	:	No information available.
Notes to physician	:	No information available.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards during fire fighting	:	No specific hazards identified.
Hazardous combustion products	:	No hazardous combustion products are known or expected from product.
Specific extinguishing methods	:	No specific extinguishing methods required.
Further Information	:	In the event of fire and/or explosion do not breathe fumes.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus for firefighting as necessary in the event of a chemical fire.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	No special precautions necessary.
Methods and materials for containment and cleaning up	:	Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	:	No special precautions. Use good laboratory practices.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering Controls

No special engineering controls required.

Personal Protective Equipment (PPE)

Eye protection	:	No special protective equipment required.
Skin and body protection	:	No special protective equipment required. Good laboratory practices recommended. Note: To choose an appropriate glove, review the information given by the glove manufacturer concerning permeability and break through times. Also, consider special workplace conditions (mechanical strain, duration of contact).
Respiratory protection	:	Under normal conditions, this material does not require respiratory protection.
Hygiene measures	:	Keep away from food and drink. When using do not eat, drink, or smoke.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Liquid
Color	:	Colorless
Odor	:	Odorless
Odor Threshold	:	Not applicable
pH	:	No data available
Melting point/range	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	Not applicable
Evaporation rate	:	No data available
Flammability (liquid, gas)	:	Not applicable
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapor Pressure	:	No data available
Relative vapor density	:	No data available
Relative density	:	No data available
Density	:	No data available
Solubility(ies)		
Water solubility	:	Miscible
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	Not applicable
Decomposition temperature	:	No data available
Viscosity	:	No data available
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Explosive properties	:	Not applicable
Oxidizing properties	:	No data available

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SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Stable under recommended storage conditions.
Conditions to avoid	:	None known.
Incompatible materials	:	None known.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

SECTION 11. TOXOLOGICAL INFORMATION

Acute toxicity

Acute oral toxicity	:	No data available
Acute inhalation toxicity	:	No data available
Acute dermal toxicity	:	No data available
Skin corrosion/irritation	:	No data available
Serious eye damage/eye irritation	:	No data available
Respiratory or skin sensitization	:	No data available
Germ cell mutagenicity	:	No data available
Carcinogenicity	:	No ingredient in this product is listed as a carcinogen by IARC, ACGIH, NTP or OSHA.
Reproductive toxicity	:	No data available
STOT-single exposure	:	No data available
STOT-repeated exposure	:	No data available
Aspiration toxicity	:	No data available
Further information	:	No further information.

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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxicity to fish	:	No data available
Toxicity to algae	:	No data available
Toxicity to bacteria	:	No data available
Persistance and degradability		No data available

Bioaccumulative potential

Bioaccumulation	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Mobility in soil	:	No data available
Other adverse effects	:	No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product waste disposal	:	Dispose of waste product, unused product and contaminated packaging in compliance with federal, state and local regulations. If unsure of the applicable requirements, contact the authorities for information.

SECTION 14. TRANSPORT INFORMATION

UNRTDG	:	Not regulated as a dangerous good.
IATA-DGR	:	Not regulated as a dangerous good.
IMDG-Code	:	Not regulated as a dangerous good.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	:	Not applicable
Domestic Regulation (49 CFR)	:	Not regulated as a dangerous good.
Special precautions for user:	:	No special precautions identified.

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SECTION 15. REGULATORY INFORMATION

US Federal and State Regulations

EPCRA-Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity (40 CFR 302.4)

This material does not contain any components with a CERCLA RQ listed in Table 302.4.

SARA 304 Extremely Hazardous Substance Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards

No SARA 311/312 hazards identified.

SARA 302

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop 65

This product does not contain any of California to cause cancer, birth, or any other reproductive defects.

SECTION 16. OTHER INFORMATION

Further Information

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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