iRepertoire, Inc.

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	:	iR-Wash Buffer-LR (Long Read)

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 classified as a hazardous substance or mixture.
GHS Label element	:	Not classfied as 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 safety data sheet to the doctor in attendance.
If inhaled	:	Move to fresh air. If exposed individual is not breathing, begin artificial respiration by trained personnel and obtain medical attention immediately.
In case of skin contact	:	Rinse with water as a precaution.
In case of eye contact	:	Rinse eyes with water as a precaution.
If swallowed	:	Rinse mouth with water. If irritation or discomfort occurs, obtain medical attention.
Most important symptoms and effects, both acute and delayed	:	No adverse symptoms or effects identified.
Notes to physician	:	No specific medical attention or treatment required.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Use carbon dioxide (CO_2), dry chemical, water spray or foam. In case of large fires 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	:	Use personal protective equipment (see Section 8). No special precautions necessary.
Methods and materials for containment and cleaning up	:	Contain spill to prevent migration. Absorb spilled material with an appropriate inert, non-flammable absorbent and dispose according to local regulations. Do not allow undiluted product to enter sewers/surface or ground water.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	:	No special precautions. Use good laboratory practices. For personal protection information, see Section 8.
Conditions for safe storage	:	Store according to the product label. Store away from strong acids, strong bases, strong oxidizers and incompatible materials (see Section 10).

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. Use with good general ventilation.

Personal Protective Equipment (PPE)

Eye protection	:	Wear safety glasses or chemical goggles to prevent eye contact.
Skin and body protection	:	Wear protective clothing and impervious gloves (for aqueous solution), as appropriate. Footwear protecting against chemicals 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	:	8.0 - 8.4
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	:	Not applicable
Lower explosion limit	:	Not applicable
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	:	Not applicable

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SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No data available
Chemical stability	:	Stable under recommended storage conditions.
Possibility of hazardous reactions	:	No data available
Conditions to avoid	:	Keep away from strong acids, strong bases, and strong oxidizers to maintain product performance. Avoid exposure to heat and direct sunlight.
Incompatible materials	:	No data available
Hazardous decomposition products	:	No decomposition posing significant hazards expected from this material (aqueous solution).

SECTION 11. TOXOLOGICAL INFORMATION

Acute toxicity

Acute oral toxicity	:	Not classified based on available data.
Acute inhalation toxicity	:	Not classified based on available data.
Acute dermal toxicity	:	Not classified based on available data.
Skin corrosion/irritation	:	Not classified based on available data.
Serious eye damage/eye irritation	:	Not classified based on available data.
Respiratory or skin sensitization	:	Not classified based on available data.
Germ cell mutagenicity	:	Not classified based on available data.
Carcinogenicity	:	No ingredient in this product is listed as a carcinogen by ACGIH, IARC, NTP, OSHA or 1272/2008 EC Regulation.
Reproductive toxicity	:	Not classified based on available data.
STOT-single exposure	:	Not classified based on available data.
STOT-repeated exposure	:	Not classified based on available data.
Aspiration toxicity	:	Not classified based on available data.
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.

Suggested European waste catalogue 18 01 07 - chemicals other than those mentioned in 18 01 06.

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 313

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

Massachusetts Right to Know

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right to Know

No components are subject to the Pennsylvania Right to Know Act.

New Jersey Right to Know

No components are subject to the New Jersey Right to Know Act.

California Prop 65

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

EU Regulations

Water Hazard Class (Germany)

WGK 1, low water endangering

REACH 1907/2006 EC - Annex XIV - list of substances subject to authorization

No ingredients listed

Canada

This product does not meet WHMIS criteria for hazardous materials.

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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