

## iR-Profile Reagent Kit: PCR1 Rescue/ PCR2 Clean-up

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name : PCR1 Rescue/PCR2 Clean-up

**Manufacturer's or suppliers details**Company : iRepertoire, Inc.  
601 Genome Way  
Suite 3005  
Huntsville, Alabama 35806 USA

Telephone Number : 1 (256) 327-0948

Email Address : [info@irepertoire.com](mailto:info@irepertoire.com)**Recommended use of the chemicals and restrictions on use**

Recommended use : Laboratory chemicals

**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 : None Known.  
Condition  
Symptoms of Overexposure: No information available.**Carcinogenicity:****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.

**Other Hazard**

Sodium azide forms explosive compounds with heavy metals. This product contains concentrations of azide &lt;0.1% (w/w) which with repeated contact with lead and copper commonly found in plumbing drains may result in the build up of shock sensitive compounds.

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<b>ACGIH</b>	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.
<b>OSHA</b>	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.
<b>NTP</b>	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.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance/Mixture	:	Mixture
Hazardous ingredients	:	None

**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, call a physician.
In case of skin contact	:	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.
In case of eye contact	:	Remove contact lenses. Protect unharmed eye. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	:	If accidentally swallowed, rinse mouth with water. If irritation or discomfort occurs, seek immediate medical attention. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	:	See Section 11 Toxicological Information for more detailed health information.
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 combustion products posing significant hazards are expected from this product (an aqueous solution).
Hazardous combustion products	:	No hazardous combustion products are known

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Specific extinguishing methods :  
 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.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
 Methods and materials for containment and cleaning up : Absorb spilled material with an appropriate inert, non-flammable absorbent and dispose according to local regulations.

**SECTION 7. HANDLING AND STORAGE**

Advice on safe handling : For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.  
 Conditions for safe storage, including any incompatibilities : Keep away from incompatible material (see Section 10). To maintain efficacy, store according to the instructions in the product labeling.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Ingredients with workplace control parameters**

Contains no substances with occupational exposure limit values.

**Personal protective equipment**

Hand Protection

Remarks : The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Eye protection : Safety Glasses

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place. Footwear protecting against chemicals recommended.

Hygiene measures : Keep away from food and drink. When using do not eat, drink, or smoke.

**iR-Profile Reagent Kit: PCR1 Rescue/ PCR2 Clean-up****SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	:	liquid
Color	:	Brown with precipitate
Odor	:	odorless
Odor Threshold	:	No applicable
pH	:	8.0-8.4
Melting point/range	:	Not determined
Boiling point/boiling range	:	Not determined
Flash point	:	No data available
Evaporation rate	:	No data available
Burning rate	:	No data available
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	:	1.127
Solubility(ies)	:	
Water solubility	:	Miscible
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	Not applicable
Thermal decomposition	:	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

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	:	None
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Stable under recommended storage conditions.
Conditions to avoid	:	Avoid contact with incompatible materials.

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Incompatible materials	:	Strong acids Strong bases Strong oxidizers Metals and metallic compounds Sodium azide forms explosive compounds with heavy metals. This product contains concentrations of azide <0.1% (w/w) which with repeated contact with lead and copper commonly found in plumbing drains may result in the build up of shock sensitive compounds.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

**SECTION 11. TOXOLOGICAL INFORMATION****Acute toxicity****Product**

Acute oral toxicity	:	No data available
Acute inhalation toxicity	:	No data available
Acute dermal toxicity	:	No data available

**Skin corrosion/irritation****Product**

May cause skin irritation in susceptible persons.

**Serious eye damage/eye irritation****Product**

Remarks:

May irritate eyes.

**Respiratory or skin sensitization**

No data availability

**Germ cell mutagenicity**

No data availability

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**STOT-single exposure**

No data available

**STOT-repeated exposure**

No data available

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No data available

**Further information**

No data available

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Product**

Toxicity to fish : No data available

Toxicity to algae : No data available

Toxicity to bacteria : No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential****Product**

Bioaccumulation : No data available

Partition coefficient: n-octanol/water : No data available

**Mobility in soil**

No data available

**Other adverse effects**

No data available

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**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.

Sodium azide preservative may form explosive compounds in metal drain lines. See NIOSH Bulletin: Explosive Azide Hazard (8/16/76).

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**SECTION 14. TRANSPORT INFORMATION****UNRTDG**

Not regulated as a dangerous good

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**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**

No data available

**Domestic regulation****49 CFR**

Not regulated as a dangerous good.

**Special precautions for user:**

Remarks : Not classified as dangerous in the meaning of transport regulations

**SECTION 15. REGULATORY INFORMATION**

**OSHA Hazards** : No OSHA Hazards

**EPCRA-Emergency Planning and Community Right-to-Know****CERCLA Reportable Quantity**

Sodium Azide is listed.

**SARA 304 Extremely Hazardous Substance Reportable Quantity**

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

**SARA 311/312 Hazards** : Sodium Azide is subject to reporting requirements of Section 313, Title III of SARA. 1.0 % de minimis concentration

**SARA 302** : Sodium Azide is subject to reporting requirements of Section 313, Title III of SARA. 1.0 % de minimis concentration

**SARA 313** : Sodium Azide is subject to reporting requirements of Section 313, Title III of SARA. 1.0 % de minimis concentration

**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

**Clean Water Act**

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

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**US State Regulations**

**Massachusetts Right to Know**

Sodium Azide is listed.

**Pennsylvania Right to Know**

Sodium Azide

**New Jersey Right to Know**

Sodium Azide

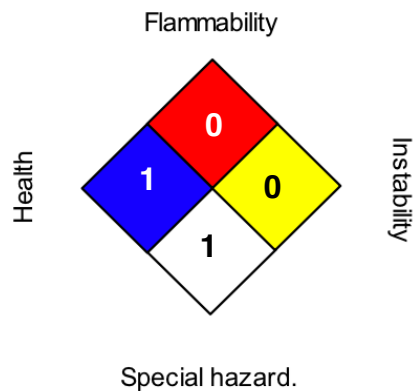
**California Prop 65**

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

**SECTION 16. OTHER INFORMATION**

**Further Information**

**NFPA:**



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.