



iRepertoire, Inc.

iR-Cassette Lung Cancer Panel (LCAI-SR-X-C) File 3 of 3: PCR2 Reaction Mix

Safety Data Sheet

V20201029



iRepertoire, Inc.

Version Updates

Update Classification	Update Description	Version
Minor	Updated styling	V20201029



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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : PCR 2 Rxn Mix

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

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 <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.

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 : 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 : Exposure to decomposition products may be hazard to health

Hazardous combustion products : No hazardous combustion products are known

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 if necessary.



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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 : Keep in suitable, closed containers for disposal

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.

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.



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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Color	: no data available
Odor	: characteristic
Odor Threshold	: No data available
pH	: No data available
Melting point/range	: No data available
Boiling point/boiling range	: No data available
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
Denisty	: No data available

Solubility(ies)

Water solubility	No data available
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: not determined
Thermal decomposition	: No data available
Viscostiy	: 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	: 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
Incompatible materials	: No data available Strong acids, bases, 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

Ingredients

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 availability



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Reproductive toxicity	: No data availability
STOT-single exposure	: No data availability
STOT-repeated exposure	: No data availability
Aspiration toxicity	: No data availability
Further information	: No data availability

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Ingredients: Tris(hydroxymethyl)aminomethane

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

SECTION 13. DISPOSAL CONSIDERATIONS

Product Waste Disposal

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



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** : 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
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SECTION 15. REGULATORY INFORMATION

OSHA Hazards : No OSHA Hazards

EPCRA-Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Ingredients	CAS - No.	Component RQ (lbs.)
sodium azide	26628-22-8	1000

SARA 304 Extremely Hazardous Substance Reportable Quantity

Ingredients	CAS - No.	Component RQ (lbs.)
sodium azide	26628-22-8	1000

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



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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). The following chemical(s) are listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F):

hydrogen chloride 7647-01-0

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

glycerol 56-81-5

Clean Water Act

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

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

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

US Stat Regulations

Massachusetts Right to Know

sodium azide 26628-22-8

Pennsylvania Right to Know

water 7732-18-5

ammonium sulphate 7783-20-2

sodium azide 26628-22-8

Ficoll 400 26873-85-8

New Jersey Right to Know

water 7732-18-5

Ficoll 400 26873-85-8

Tris(hydroxymethyl)aminomethane Tris

dCTP disodium 102783-51-7

dATP Not assigned

dGTP Not assigned

dUTP Not assigned

California Prop 65

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

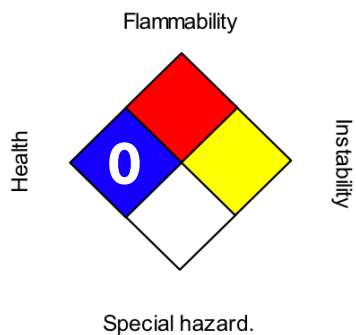


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SECTION 16. OTHER INFORMATION

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.
