

Material Safety Data Sheet

Section 1: Identification of the Substance or Mixture

Product Code: 10028

Product Name: Revolution cfDNA Magnetic Beads

For *In Vitro* Diagnostic Use in conjunction with nRichDX Revolution cfDNA Max 20, Max 20XL, and Reagent kits.

Details of the supplier of the material safety data sheet



Address: 15339 Barranca Parkway
Irvine, CA 92618 USA

Phone: +1.949.341.1980

Fax: +1.949.341.1982

Support: info@nrichdx.com

Website: www.nrichdx.com

24 hour Emergency Response for Hazardous Materials [or Dangerous Goods] Incident, or Accident: Call CHEMTREC

+1.703.741.5970 / 1.800.424.9300

Section 2: Hazards Identification

GHS Classification

Signal Word: None

Hazard pictograms: None

Health Hazards: Not Hazardous

Physical Hazards: Not Hazardous

Environmental Hazards: Not Hazardous

Hazard Statements

Not Applicable

Precautionary Statements

Prevention: Not Applicable

Response: Not Applicable

Storage: Not applicable

Disposal: Not applicable

Other hazards: Not applicable

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HMIS:

Health:	0
Flammability:	0
Reactivity	0

Section 3: Composition/Information on Ingredients

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Section 4: First Aid Measures

Description of First Aid Measures

Skin contact: Rinse with plenty of water. Immediate medical attention is not required.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Ingestion: Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

Inhalation: Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

Notes to physician: Treat symptomatically.

Most important symptoms and effects, both acute and delayed: Not Applicable

Indication of any immediate medical attention and special treatment needed: None

Section 5: Firefighting Measures

Suitable extinguishing media: Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.

Unsuitable extinguishing media: No information available.

Special hazards arising from the substance or mixture: No information available.

Advice for fire-fighters: Standard procedure for fighting chemical fires.

Section 6: Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Ensure adequate ventilation. Always wear recommended Personal Protective Equipment Use personal protection equipment. See Section 8 for more detail.

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Environmental precautions:

No special environmental precautions required.

Methods and material for containment and cleaning up:

Soak up with inert absorbent material.

Reference to other sections: See sections 8 and 13.

Section 7: Handling and Storage

Precautions for safe handling:

Use personal protective equipment as required.

Conditions for safe storage, including any incompatibilities:

Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.

Specific end use(s):

For in vitro diagnostic use in conjunction with nRichDX Revolution cfDNA Max 20, Max 10, and Reagent kits.

Section 8: Exposure Controls/Personal Protection

Control Parameters

Exposure limits: Contains no substances with occupational exposure limit values.

Engineering measures: Ensure adequate ventilation, especially in confined areas.

Exposure Controls

Respiratory protection: In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

Hand protection: Wear suitable gloves. Glove material: Compatible chemical-resistant gloves.

Eye protection: Tight sealing safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls:

No special environmental precautions required.

Section 9: Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Appearance: Suspension

Odor: No data available

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Odor Threshold:	No data available
Molecular weight:	No data available
Melting point/melting range:	°C No data available °F No data available
Boiling point/boiling range:	°C No data available °F No data available
Flash point:	°C No data available °F No data available
Autoignition temperature:	°C No data available °F No data available
Decomposition temperature:	°C No data available °F No data available
Evaporation rate:	No data available
Flammability (solid, gas):	No data available.
Upper explosion limit:	No data available.
Lower explosion limit:	No data available.
Vapor pressure:	No data available.
Relative density:	No data available.
Specific gravity:	No data available.
Solubility:	No data available.
Partition coefficient n-octanol/water:	No data available.
Viscosity:	No data available.
Explosive properties:	Mixture has not been tested.
Oxidizing properties:	No data available.
Other information:	No data available.

Section 10: Stability and Reactivity

Chemical stability:	Stable under normal conditions.
Reactivity:	None known.
Possibility of hazardous reactions:	Hazardous reaction has not been reported.
Conditions to avoid:	No information available.
Incompatible materials:	No dangerous reaction known under conditions of normal use.
Hazardous decomposition products:	No data available.

Section 11: Toxicological Information

Information on Toxicological Effects:

There is no evidence available indicating acute toxicity

Physical Routes of Exposure

Irritation:	Data are conclusive but not sufficient for classification.
Corrosivity:	Data are conclusive but not sufficient for classification.
Sensitization:	Data are conclusive but not sufficient for classification.
STOT – Single Exposure:	Data are conclusive but not sufficient for classification.
STOT – Repeated Exposure:	Data are conclusive but not sufficient for classification.
Carcinogenicity:	Data are conclusive but not sufficient for classification.
Germ cell mutagenicity:	Data are conclusive but not sufficient for classification.
Reproductive toxicity:	Data are conclusive but not sufficient for classification.
Aspiration hazard:	Data are conclusive but not sufficient for classification.

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Section 12: Ecological Information

Ecotoxicity:

Contains no substances known to be hazardous to the environment or not degradable in waste-water treatment plants.

Persistence and degradability:

No information available.

Bioaccumulative potential:

No information available.

Results of PBT and vPvB assessment:

This mixture does not contain any substances that are assessed to be a PBT or vPvB.

Other adverse effects:

No information available.

Section 13: Disposal Considerations

Waste Treatment Methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

Section 14: Transport Information

IAT/ADR/DOT-US/IMDG: Not regulated in the meaning of transport regulations.

UN number: Not Applicable.

UN proper shipping name: Not Applicable.

Transport hazard class(es): Not Applicable.

Packing group: Not Applicable.

Environmental hazards: Not Applicable.

Special precautions for user: Not Applicable.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: Not Applicable.

Section 15: Regulatory Information

US Federal Regulations

SARA 313

This product is not regulated by SARA.

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Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61):

This product does not contain HAPs.

US State Regulations

California Proposition 65:

This product does not contain Proposition 65 chemicals.

WHMIS Hazard Class:

Non-controlled.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

Section 16: Other Information

Reason for revision: Original Version

Revision number: A

Revision date: 10-January-2020

Use: For In Vitro Diagnostic Use

References:

- ECHA: <http://echa.europa.eu/>
- TOXNET: <http://toxnet.nlm.nih.gov/>
- eChemPortal: <http://www.echemportal.org/>
- LOLI database: <https://www.chemadvisor.com/loli-database>

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End of Safety Data Sheet