



HighPrep™ RNA Elite (CE/IVD) Safety Data Sheet



According to Federal Register/ Vol. 77, No. 58/ Monday, March 26, 2012/ Rules and Regulations
According to Regulation (EC) No. 1907/2006

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier

Product Name: HighPrep™ RNA Elite (CE/IVD)

Product Number: RC-90001, RC-90005, RC-90050, RC-90250, RC-90500

1.2 Intended Use for the Product:

Use of the substance/mixture: For in vitro diagnostic use

1.3 Name, Address, and Telephone of the Responsible Party

Manufacturer/Supplier:

MagBio Genomics, Inc.
944 Clopper Road
Gaithersburg, MD 20879
USA
(301) 302-0144

EU Importer:

MagBio Genomics Europe GmbH
Nelkenstrasse 5
76703 Kraichtal
Germany
+49 7250 33 13 403

Emergency telephone number:

US: In case of medical emergency, call 911. Contact your local Poison Control Center.
Europe: Chemtrec Emergency Tel No. (001) 703-527-3887

Section 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

2.2 Label Elements

Labelling according to Regulation (EC) No 1272/2008

Pictogram N/A
Signal Word N/A
Warning N/A

Hazard statement(s)	none
Precautionary statement(s)	none
Supplemental Hazard Statements	none

2.3 Other hazards

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This substance/mixture contains no components considered to be either persistent, bio-accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

Section 3: Composition/information on ingredients

Hazardous Ingredients	Chemical Name	% by weight	Hazard Classification of Pure Ingredients	
			EU 1272/2008 CLP/GHS	GHS
Sodium Azide CAS # 26628-22-8 EINECS # 247-852-1 Index # 011-004-00-7		<0.1	Acute Tox. Oral 2, H300 Aquatic Acute 1, H400 Aquatic Long term 1, H410	Acute Tox. Oral 2, H300 Aquatic Acute 1, H400 Aquatic Long term 1, H410

Description of hazard Class and hazard statements

Aquatic Acute 1 - Aquatic Hazard Acute, Category 1
Acute Tox. Oral 2 - Acute Toxicity Oral, Category 2
Aquatic Long term 1 - Aquatic Hazard Long term, Category 1
H300 - Fatal if swallowed.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.

Section 4: First aid measures

4.1 Description of first aid measures

First Aid Measures General: Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures after Inhalation: If individual is not breathing, begin artificial respiration immediately and obtain medical attention.

First Aid Measures after Skin Contact: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If pain or irritation occurs, obtain medical attention.

First Aid Measures after Eye Contact: If product enters eyes, wash eyes gently under running water for 15 minutes or longer, making sure that the eyelids are held open. If pain or irritation occurs, obtain medical attention.

First Aid Measures after Ingestion: If ingested, wash mouth out with water. If irritation or discomfort occurs, seek medical attention.

4.2 Most Important Symptoms and Effects, both acute and delayed

The known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 Indication of any medical attention and special treatment needed

If medical advice is needed, have product container or label at hand.

Section 5: Firefighting Measures

5.1 Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

5.2 Special Hazards arising from the substance or mixture

Flammability: Not flammable or combustible

Hazardous Combustion Products: No combustion products posing significant hazards are expected from this product.

Reactivity: Hydrogen chloride gas, Iron oxides, silicon oxides, Cesium/cesium oxides

5.3 Advice for Firefighters

Protection during firefighting: Self-contained breathing apparatus is recommended for firefighters in all chemical fire situations.

Section 6: Accidental release measures

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6.1 Personal precautions, protective equipment, and emergency procedures

General Measures: Use good laboratory procedures, avoid eye and skin contact

6.2 Environmental Precautions

Contain spill to prevent migration

6.3 Methods and material for containment and cleaning up

Absorb spilled material with an appropriate inert, non-flammable absorbent and dispose of according to local regulations.

6.4 Reference to other sections

See heading 8, Exposure Controls and Personnel Protection

Section 7: Handling and Storage

7.1 Precautions for safe handling

Use good laboratory procedures, avoid eye and skin contact.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Keep away from incompatible materials. To maintain efficacy, store according to the instructions on product labeling.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

Section 8: Exposure controls/ personal protection

8.1 Exposure Limits

US OSHA

None established

ACGIH

Sodium Azide
CAS # 26628-22-8

0.29 mg/m³ Ceiling (as Sodium azide); 0.11 ppm Ceiling (as Hydrazoic acid vapor)

DFG MAK

Sodium Azide
CAS # 26628-22-8

0.4 mg/m³ Peak (inhalable fraction); 0.2 mg/m³ TWA MAK (inhalable fraction)

Ireland

Sodium Azide
CAS # 26628-22-8

0.1 mg/m³ TWA; 0.3 mg/m³ STEL; Potential for cutaneous absorption

IOELVs

Sodium Azide
CAS # 26628-22-8

Possibility of significant uptake through the skin; 0.3mg/m³STEL; 0.1mg/m³ TWA

NIOSH

None established

Japan

None established

Sweden (AFS 2015:7 and amendments)

Sodium Azide
CAS # 26628-22-8




0.1 mg/m³ TLV; 0.3 mg/m³ Binding STE

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8.2 Exposure Controls	This product does not contain any substances with occupational exposure limit values.	
8.3 Respiratory Protection	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).	
8.4 Hand Protection	Use gloves when handling this product. Inspect gloves prior to use for any visible damage. Use proper glove removal technique to prevent contact with skin. Dispose of gloves in accordance with applicable laws. Wash and dry hands after use. The selected protective gloves must satisfy the specifications of Regulation (EU)2016/425 and the standard EN 374 derived from it.	
8.5 Eye Protection	Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).	
8.6 Skin and Body Protection	Wear appropriate laboratory attire when handling this product such as gloves, long pants, closed-toe shoes, and laboratory coat.	
8.7 Hygiene Measures	Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after using this product.	

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical State	Liquid
Color	Clear, with brown precipitate
Odor	Odorless
Odor Threshold	No data available
pH	No data available
Relative evaporation rate	No data available
Melting Point	No data available
Freezing Point	No data available
Boiling Point	No data available
Flash Point	No data available
Auto-ignition temperature	No data available
Decomposition Temperature	No data available
Flammability (Solid, Gas)	No data available
Vapor Pressure	No data available
Relative vapor density at 20°C	No data available

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Relative Density	No data available
Density	No data available
Solubility	No data available
Log Pow	No data available
Log Kow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	No data available

Section 10: Stability and reactivity

- 10.1 Reactivity:** No data available
- 10.2 Chemical Stability:** Stable under recommended storage conditions
- 10.3 Possibility of Hazardous Reactions:** No data available
- 10.4 Conditions to Avoid:** No data available
- 10.5 Incompatible Materials:** Strong oxidizing agents
- 10.6 Hazardous Decomposition Products:** Hazardous decomposition products formed under fire conditions. - Hydrogen chloride gas, Iron oxides, silicon oxides, Cesium/cesium oxides. In the event of fire: see section 5

Section 11: Toxicological Information

11.1 Information on Toxicological Effects

Toxicity Data for Hazardous Ingredients

Sodium Azide Dermal LD50 Rabbit 20 mg/kg; Oral LD50 Rat 27 mg/kg
CAS # 26628-22-8

Acute Toxicity:

Skin Corrosion/Irritation: No data available

Serious Eye Damage/Irritation: No data available

Respiratory or Skin Sensation: No data available

Germ Cell Mutagenicity: No data available

Carcinogenicity:

IARC: No component of this product that is present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive Toxicity: No data available

Specific Target Organ Toxicity (Single Exposure) No data available

Specific Target Organ Toxicity (Repeated Exposure) No data available

Aspiration hazard: No data available

Potential Health Effects

Inhalation: n/a

Ingestion: n/a

Skin: n/a

Eyes: n/a

Section 12: Ecological Information

- 12.1 Ecotoxicity:** no data available
- Fresh Water Species**

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Sodium Azide 96 h LC50 Oncorhynchus mykiss: 0.8 mg/L; 96 h LC50 Lepomis macrochirus: 0.7 mg/L; 96 h LC50 Pimephales promelas: 5.46 mg/L [flow-through]

CAS # 26628-22-8

Microtox No data available.

Water Flea No data available.

Fresh Water Algae No data available.

12.2 Persistence and Degradability: No data available.

12.3 Bio accumulative Potential: No data available.

12.4 Mobility in Soil: No data available.

12.5 Other Adverse Effects: No data available.

12.6 Results of PBT and vPvB assessment: This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

12.7 Other adverse effects: This product contains environmentally hazardous substance below the cutoff level. Refer section 3 for ingredient information. Do not allow undiluted product to enter sewer/surface or ground water.

Section 13: Disposal Considerations

13.1 Product Disposal: Disposal should be in accordance with applicable regional, national, and local laws and regulations. Refer to Section 7: Handling and Storage and Section 8: Exposure Control/Personal Protection for additional handling information and protection of employees. Offer surplus and non-recyclable solutions to a licensed disposal company. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself. Sodium azide preservative may form explosive compounds in metal drain lines. See NIOSH Bulletin: Explosive Azide Hazard (8/16/76). To avoid the possible build-up of azide compounds, flush wastepipes with water after the disposal of undiluted reagent. Sodium azide disposal must be in accordance with appropriate local regulations.

13.2 Contaminated Packaging: Disposal must be made according to official regulations.

Section 14: Transport Information

14.1 UN number

ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

Section 15: Regulatory Information

15.1 EU Regulations This SDS complies with EC Regulations 1907/2006 (REACH) and amendments. REACH 1907/2006 EC - Annex XIV - list of substances subject to authorization - No ingredients listed.

SARA 302 Components: This material does not contain any components with a section 302 EHS TPQ.

SARA 313 Components: This material does not contain any chemical components with known CAS numbers that

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exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: Acute Health Hazard

Massachusetts Right To Know Components: No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components: Sodium Azide (CAS-No. 26628-22-8)

New Jersey Right To Know Components: Sodium Azide (CAS-No. 26628-22-8)

Section 16: Other Information

Magbio Genomics, Inc. does not make any representations, guaranties, or warranties as to the accuracy of the information provided and is intended only to describe the product for the purposes of health, safety, and environmental requirement. It is expressly understood and agreed that MagBio Genomics, Inc. shall in no way be deemed or held to be obligated, liable, or accountable upon or under any guaranties or warranties, express or implied, statutory, by operation of law, or otherwise, in any manner or form, including any implied warranty of merchantability or fitness for a particular purpose, that in any way relates to or arises out of the information provided in this Safety Data Sheet.