

1. Identification of Substance and Company	
Product Name	HighPrep™ RNA Elite
Catalog Number	RC-90005; RC-90050; RC-90250; RC-90500
Product Use	For Research Use Only. See product literature for details.
Manufacturer	MagBio Genomics Inc. 944 Clopper Road Gaithersburg, MD 20878 U.S.A. Tel: 301-302-0144 Email: info@magbiogenomics.com
Information in event of emergency	Call 911. Contact your local poison control center.

2. Chemical Composition	
Hazardous Ingredients	None

3. Hazards Identification	
Emergency Overview	Brown; Clear with brown precipitate; Liquid; Odorless Nonflammable aqueous solution. Does not meet EU, OSHA or WHMIS criteria for hazardous materials.
Physical Hazards	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.
Potential Health Effects Summary	This product does not meet EU, OSHA or WHMIS criteria for hazardous materials.
Potential Environmental Effects	Not available
Product Hazard Classifications	<b>Meets Hazardous Criteria for Preparation/Mixture</b> EU: Not applicable WHMIS: Not applicable US OSHA: Not applicable

4. First-Aid Measures	
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 occur, obtain medical attention.
Ingestion	If ingested, wash mouth out with water. If irritation or discomfort occurs, seek medical attention.
Inhalation	If powder is inhaled, move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately and obtain medical attention.
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 occur, obtain medical attention.

<b>5. Fire Fighting Measures</b>	
Flammable Properties	Non flammable aqueous solution.
Extinguishing Media	Use extinguishing media suitable for surrounding fire.
Special Fire and Explosion	No special hazards determined.
Hazardous Combustion Products	No combustion products posing significant hazards are expected from this product (an aqueous solution).
Protective Equipment for Firefighters	Self-contained breathing apparatus is recommended for firefighters in all chemical fire situations.

<b>6. Accidental Release Measures</b>	
Personal Precautions	Use good laboratory procedures; avoid eye and skin contact.
Spill and Leak Procedures	Absorb spilled material with an appropriate inert, non-flammable absorbent and dispose according to local regulations.
Environmental Precautions	Contain spill to prevent migration.

<b>7. Handling and Storage</b>	
Handling Precautions	Use good laboratory procedures; avoid eye and skin contact.
Recommended Storage Conditions	Keep away from incompatible material (see Section 10). To maintain efficacy, store according to the instructions in the product labeling.

<b>8. Exposure Controls and Personal Protection</b>	
Exposure Limits	
US OSHA	None established
ACGIH	None established
DFG MAK:	None established
NIOSH	None established
Japan	None established
Engineering Controls	No special engineering controls are required. Use with good general ventilation.
Respiratory Protection	Under normal conditions, the use of this product should not require respiratory protection. If aerosols are generated during use, the use of respiratory protection should be evaluated by a qualified professional.
Eye Protection	Safety glasses or chemical goggles should be worn to prevent eye contact. Refer U.S. OSHA 29 CFR 1910.133, European Standard EN166 or appropriate government standards.
Skin Protection	Impervious gloves, such as Nitrile or equivalent, should be worn to prevent skin contact. Refer U.S. OSHA 29 CFR 1910.138, European Standard EN374 or appropriate government standards.

<b>9. Physical and Chemical Properties</b>	
Physical State	Liquid
Color	Brown
Transparency	Clear with brown precipitate
Odor	Odorless
Odor Threshold	Not applicable
pH	Not available
Freezing Point	Not available
Boiling Point	Not available
Flash Point	Not applicable
Evaporation Rate	Not available
Flammability (Solid, Gas)	Not applicable

**9. Physical and Chemical Properties (Continued)**

Flammable Limits	Not available
Vapor Pressure	Not available
Vapor Density	Not available
Specific Gravity	1.12
<b>Solubility</b>	
Water	Miscible
Organic	Not available
Coefficient of Water/Oil Distribution	Not available
Autoignition Temperature	Not applicable
Decomposition Temperature	Not available
Percent Volatiles	Not applicable

**10. Stability and Reactivity**

Stability	Stable under normal temperatures and pressures.
Hazardous Incompatibilities	Strong acids Strong bases Strong oxidizers Metals and metallic compounds Sodium azide forms explosive compounds with heavy metals. This product contains concentration 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	When stored as labeled, no known hazardous decomposition products are formed during the shelf-life of this product.
Conditions to Avoid	Avoid contact with incompatible materials.

**11. Toxicological Information**

Toxicity Data for Hazardous Ingredients	Not applicable
Primary Routes of Exposure	The most likely routes of exposure are skin and eye contact. Inhalation may occur if mists are formed in product use.
Potential Effects of Acute Exposure	None identified.
Potential Effects of Chronic Exposure	None identified.
Symptoms of Overexposure	None identified.
Carcinogenicity	No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP, OSHA or 67/548/EEC Annex I.
Other Effects	None identified.
Conditions Aggravated by Exposure	None identified.

**12. Ecological Information**

Ecotoxicity	No information available.
Biodegradability	No information available.
Bioaccumulation	No information available.
Mobility	No information available.
Other Adverse Effects	No information available.

**13. Disposal Considerations**

<b>Waste Disposal</b>	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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**14. Transport Information**

Transportation of this product is not regulated under ICAO, IMDG, US DOT, European ADR or Canadian TDG.
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**15. Regulatory Information**

<b>US Federal and State Regulations</b>	
<b>SARA 313</b>	Sodium Azide is subject to reporting requirements of Section 313, Title III of SARA.
<b>CERCLA RG's, 40 CFR 302.4</b>	Sodium Azide is listed.
<b>California Proposition 65</b>	No ingredients listed
<b>Massachusetts MSL</b>	Sodium Azide is listed.
<b>New Jersey Dept. of Health RTK List</b>	Sodium Azide is listed.
<b>Pennsylvania RTK</b>	Sodium Azide is listed.
<b>EU Labeling Classification</b>	
Preparation not classified	
<b>Canada</b>	
This product does not meet WHMIS criteria for hazardous materials.	
<b>PIN:</b> Not applicable	
<b>Ingredients on Ingredient Disclosure List:</b>	Sodium Azide
<b>Ingredients with unknown toxicological properties:</b>	None
Some hazardous ingredients listed in Section 15 are below OSHA's and WHMIS' 1.0% w/w (0.1% for carcinogens) or EU's ingredient specific concentrations required for reporting in Section 3.	

**16. Other Information**

<b>MagBio Genomics Inc. Safety Rating</b>	Flammability (Section V): 0 Health (Section XI): 1 Reactivity with Water (Section X): 0 Contact (Section VIII): 1	Code 0=none 1=slight 2=caution 3=severe
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Revision Changes: None

This SDS complies with EC Regulation 1907/2006 (REACH)

This Material Safety Data Sheet is offered without charge to the clients of MagBio Genomics, Inc. This information is based on our present knowledge and shall be used only as a guide. Data is the most current available to MagBio Genomics, Inc. at the time of preparation and is issued as a matter of information only, no warranty as to its accuracy or completeness is expressed or implied. MagBio Genomics Inc. is not held liable for any damage resulting from handling or from contact with the above mentioned products.