

**1 Identification of the substances/ mixture and of the company/ undertaking****1.1 Product Identifiers**

Product Number MB617  
Product Name HiPurA<sup>®</sup> All Blood RNA Purification Kit  
REACH Registration Number Reach registration number is not available for this mixture. The annual tonnage does not require a REACH registration.

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

**1.2.1** Relevant identified uses InVitro Diagnostic Use

**1.3 Details of the supplier of the safety data sheet**

Produced by HiMedia Laboratories Private Limited  
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Mail Id [mb@himedialabs.com](mailto:mb@himedialabs.com) Website : [www.himedialabs.com](http://www.himedialabs.com)

**1.4 Emergency Tel. No.**

Emergency Tel. No. Please contact the regional HiMedia representation in your country

**2 Hazards Identification****2.1 Classification of the substance or mixture**

**CLP Classification-Regulation (EC) No. 1272/2008[EU-GHS/CLP]**

Acute toxicity, Oral, (Category 4), H302  
Acute toxicity, Dermal, (Category 4), H312  
Skin corrosion or irritation, (Category 1C), H314  
Skin corrosion or irritation, (Category 2), H315  
Serious eye damage or eye irritation, (Category 1), H318  
Serious eye damage or eye irritation, (Category 2A), H319  
Acute toxicity, Inhaled, (Category 4), H332  
Hazardous to the aquatic environment, acute hazard, (Category 3), H402  
For the full text of the H-Statements mentioned in this Section, See Section 16

**2.2 Label elements**

**Labeling according to Regulation (EC) No.1272/2008**



Pictogram

Signal word Danger

Hazard Statement(s)

H302 Harmful if swallowed

H312 Harmful in contact with skin

H314 Causes severe skin burns and eye damage

H315 Causes skin irritation  
 H318 Causes serious eye damage  
 H319 Causes serious eye irritation  
 H332 Harmful if inhaled  
 H402 Harmful to aquatic life

Precautionary Statement(s)

P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P264 Wash hands thoroughly after handling. Wash skin thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P301+P312+P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTER or doctor/physician.  
 P321 Specific treatment (see on this label).  
 P363 Wash contaminated clothing before reuse.

**2.3 Other Hazards**

None

**3 Composition/Information On Ingredients**

**3.2 Mixture**

Component	Classification	Concentration
Triton® X-100 For Molecular Biology		
CAS No. : 9002-93-1 Molecular Formula : C <sub>34</sub> H <sub>62</sub> O <sub>11</sub> Molecular Weight : 646.87	<b>As Per EC Regulation 1272/2008</b> Acute Tox.oral 4; Eye Irrit. 2A; Aquatic Chronic 2 H302; H319; H411	>=10 - <=20%

Component	Classification	Concentration
Guanidine thiocyanate, For Molecular Biology		
CAS No. : 593-84-0 EC No. : 209-812-1 Molecular Formula : CH <sub>5</sub> N <sub>3</sub> .CHNS Molecular Weight : 118.16	<b>As Per EC Regulation 1272/2008</b> Acute Tox. Oral, dermal, inhal, 4; Skin Corr. 1A; Aquatic Chronic 3 H302+H312+H332; H314; H412	>=20 - <=25%

Component	Classification	Concentration
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Guanidine hydrochloride, For Molecular Biology			
CAS No. :	50-01-1	<b>As Per EC Regulation 1272/2008</b> Acute Tox.oral 4; Skin Irrit. 2; Eye Irrit. 2A H302; H315; H319	>=20 - <=30%
EC No. :	200-002-3		
Molecular Formula :	CH <sub>5</sub> N <sub>3</sub> .HCl		
Molecular Weight :	95.53		

Component	Classification	Concentration
Ammonium chloride For Molecular Biology		
CAS No. :	12125-02-9	<b>As Per EC Regulation 1272/2008</b> Acute Tox.oral 4; Eye Irrit. 2A; Aquatic Chronic 2 H302; H319; H411
EC No. :	235-186-4	
Molecular Formula :	NH <sub>4</sub> Cl	
Molecular Weight :	53.49	

Component	Classification	Concentration
EDTA disodium salt dihydrate		
CAS No. :	6381-92-6	<b>As Per EC Regulation 1272/2008</b> Eye Irrit. 2A H319
EC No. :	205-358-3	
Molecular Formula :	C <sub>10</sub> H <sub>14</sub> N <sub>2</sub> Na <sub>2</sub> O <sub>8</sub> .2H <sub>2</sub> O	

#### 4 First Aid Measures

##### 4.1 Description of first aid measures

###### **General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

###### **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

###### **In case of skin contact**

Wash with plenty of soap and water. Consult a physician.

###### **In case of eye contact**

Rinse immediately with plenty of water for at least 15 minutes. Consult a physician.

###### **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

##### 4.2 Most important symptoms and effects, both acute and delayed

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

##### 4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically.

#### 5 Fire Fighting Measures

##### 5.1 Extinguishing media

***Suitable extinguishing media***

Use water spray, alcohol- resistant foam, dry chemical or carbon dioxide

***Unsuitable extinguishing media***

No data available.

**5.2 Special hazards arising from the substance or mixture**

No data available.

**5.3 Precautions for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary

**5.4 Further information**

No data available

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**6 Accidental Release Measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Wear respiratory protection. Avoid breathing vapours, mist or gas. Wear disposable gloves, dust mask and eye protection.

**6.2 Environmental precautions**

No special environmental precautions required.

**6.3 Methods and materials for containment and cleaning up**

Soak up with inert adsorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. Clean up affected area. Flush spill area with water.

**6.4 Reference to other sections**

For disposal see Section 13.

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**7 Handling and Storage**

**7.1 Precautions for safe handling**

For precautions see section 2.2.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

***Recommended Storage Temperature*** : Store between 15-25°C

**7.3 Specific end uses**

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

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**8 Exposure Controls/Personal Protection**

**8.1 Control parameters**

Components with workplace control parameters

**8.2 Exposure controls**

***Appropriate engineering controls***

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the products.

***Personal protective equipment***

***Hygiene measure***

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with the product.

***Eye/face protection***

Tightly fitting safety goggles; Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

**Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Body protection**

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**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).

**Environment exposure controls**

No special environmental precautions required.

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**9 Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Upper/lower flammability or explosive limits	No data available
Evaporation rate	No data available
Flammability (Solid, gas)	No data available
Vapour pressure	No data available
Relative density	No data available
Water Solubility	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Vapour density	No data available
Thermal decomposition	No data available

**9.2 Other safety information**

No data available

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**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**

No data available

**10.6 Hazardous decomposition products**

Other Decomposition products. No Data Available

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**11 Toxicological Information**

**11.1 Information on toxicological effects**

***Acute toxicity***

No data available

***Skin corrosion/irritation***

No data available

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

No data available

***Respiratory or skin sensitisation***

No data available

***Germ cell mutagenicity***

No data available

***Carcinogenicity***

IARC: No component of this product 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

***Aspiration hazard***

No data available

***Potential Health Effects***

***Inhalation***

REFER SECTION 2

***Skin***

REFER SECTION 2

***Eyes***

REFER SECTION 2

***Ingestion***

REFER SECTION 2

***Additional Information***

RTECS : Not applicable

## **12 Ecological Information**

### **12.1 Toxicity**

No data available

### **12.2 Persistence and degradability**

No data available

### **12.3 Bioaccumulative potential**

No data available

### **12.4 Mobility in soil**

No data available

### **12.5 PBT and vPvB assessment**

No data available

### **12.6 Other adverse effects**

No data available

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## **13 Disposal Considerations**

### **13.1 Waste treatments methods**

#### **Product**

Offer surplus and non- recyclable solutions to a licenced company.

### **13.2 Contaminated packaging**

Dispose of as unused product.

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## **14 Transport Information**

### **14.1 UN-No**

ADNR : ADR : IATA\_C : IATA\_P : IMDG : RID :

### **14.2 UN proper shipping name**

ADNR : Not dangerous goods  
ADR : Not dangerous goods  
IATA\_C : Not dangerous goods  
IATA\_P : Not dangerous goods  
IMDG : Not dangerous goods  
RID : Not dangerous goods

### **14.3 Transport hazard class(es)**

ADNR : - ADR : - IATA\_C : - IATA\_P : - IMDG : - RID : -

### **14.4 Packaging group**

ADNR : ADR : IATA\_C : IATA\_P : IMDG : RID :

### **14.5 Environmental hazards**

ADNR : No ADR : No IMDG : Marine Pollutant : No IATA\_C : No IATA\_P : No RID : No

### **14.6 Special precautions for use**

No data available

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## **15 Regulatory Information**

### **15.1 Safety health and environment regulations/legislation specific for the substance or**

**mixture**

No data available

**15.2 Chemical Safety Assessment**

No data available

**16 Other information**

H302	Harmful if swallowed
H302+H312+H332	Harmful if swallowed, in contact with skin or if inhaled
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
Acute Tox. Oral, dermal, inhal, 4	Harmful if swallowed, in contact with skin or if inhaled
Acute Tox.oral 4	Acute toxicity, oral, Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment, long term hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, long term hazard, Category 3
Eye Irrit. 2A	Serious eye damage or eye irritation, Category 2A
Skin Corr. 1A	Skin corrosion or irritation, Category 1A
Skin Irrit. 2	Skin corrosion or irritation, Category 2

**Further Information**

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The information given in this safety data sheet is believed to be correct yet does not claim to be all inclusive. This document is intended only as a guide for appropriate precautionary handling of the material by properly trained individuals, information here being commensurate with the present state of our knowledge regarding the manner and conditions of use, handling, storage or disposal. The information provided herein shall not be considered as guarantee of the properties of the product. HiMedia Laboratories, shall not be held liable for any damage resulting from improper handling or contact with the above product. Unless explicitly stated on the product or in any of the documentation accompanying the product, it is intended for research or testing purpose only and is not to be used for any other purpose.