1 Identification of the substances/ mixture and of the company/ undertaking

1.1 Product Identifiers
- Product Number: MB572
- Product Name: HiPurA® White Spot Syndrome Vitrus (WSSV) DNA Purification Kit
- REACH Registration Number: Reach registration number is not available for this mixture. The annual tonnage does not require a REACH registration or it is envisaged for a later registration deadline.

1.2 Relevant identified uses of the substance or mixture and uses advised against
1.2.1 Relevant identified uses: Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet
- Produced by: HiMedia Laboratories Private Limited
- Address: 23, Vadhani Industrial Estate, LBS Marg, Ghatkopar (W), Mumbai - 400 086 India
- Tel. No.: +91-22-2500 0970, +91-22-2500 1607
- Fax No.: +91-22-25002468
- Mail Id: mb@himedialabs.com
- Website: 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]
  - Flammable solids, (Category 2), H228
  - Acute toxicity, Oral, (Category 4), H302
  - 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
  - Sensitisation, respiratory, (Category 1), H334
  - Specific target organ toxicity, single exposure, Respiratory tract irritation, (Category 3), H335
  - Hazardous to the aquatic environment, long term hazard, (Category 3), H412
  - 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)
  - H228: Flammable solid
H302 Harmful if swallowed
H315 Causes skin irritation
H318 Causes serious eye damage
H319 Causes serious eye irritation
H332 Harmful if inhaled
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 May cause respiratory irritation
H412 Harmful to aquatic life with long lasting effects

Precautionary Statement(s)
P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P342 + P311 IF experiencing respiratory symptoms: call a POISON CENTER or doctor/physician.

2.3 Other Hazards
None

3 Composition/Information On Ingredients

3.2 Mixture

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lauryl sulphate sodium salt, For Molecular Biology</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=5 - &lt;=10%</td>
</tr>
<tr>
<td>CAS No. : 151-21-3</td>
<td>EC No. : 205-788-1</td>
<td>Molecular Formula : C₁₂H₂₅NaO₄S</td>
</tr>
<tr>
<td>Proteinase K, From Pichia pastoris, For Molecular Biology</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=99 - &lt;=100%</td>
</tr>
<tr>
<td>CAS No. : 39450-01-6</td>
<td>EC No. : 254-457-8</td>
<td>Index-No : 647-014-00-9</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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

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
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.
Reommended 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.

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.

9 Physical and chemical properties
9.1 Information on basic physical and chemical properties
9.2 Other safety information
No data available

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

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

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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.
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**  
ADR  :  No  IMDG  :  Marine Pollutant: No  IATA_C  :  No  IATA_P  :  No  RID  :  No

14.6  **Special precautions for use**  
No data available

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**

H228  Flammable solid
H302  Harmful if swallowed
H311  Toxic in contact with skin
H315  Causes skin irritation
H318  Causes serious eye damage
H319  Causes serious eye irritation
H334  May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335  May cause respiratory irritation
Acute Tox. dermal. 3  Acute toxicity, dermal, Category 3
Acute Tox.oral 4  Acute toxicity, oral, Category 4
Eye Dam. 1  Serious eye damage or eye irritation, Category 1
Eye Irrit. 2A  Serious eye damage or eye irritation, Category 2A
Flam. Sol. 1  Flammable solids, Category 1
Resp. Sens. 1  Sensitisation, respiratory, Category 1
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.