

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

Product Number	M1972
Product Name	RPMI 1640 Agar w/MOPS & 2% Glucose w/o Sodium bicarbonate (Twin Pack)
REACH Registration Number	This product is a mixture. Reach registration number is not available for this substance.

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

- 1.2.1** Relevant identified uses Laboratory Chemicals, Analytical Purpose, Biochemical Analysis For InVitro Diagnostic Use

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

Produced by	HiMedia Laboratories Private Limited
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**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]**

Skin corrosion or irritation, (Category 2), H315

Serious eye damage or eye irritation, (Category 2A), H319

Specific target organ toxicity, single exposure, Respiratory tract irritation, (Category 3), H335

**2.2 Label elements**

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



Pictogram

Signal word Warning

Hazard Statement(s)

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Precautionary Statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352 IF ON SKIN: wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332/P337 + P313 IF skin irritation/eye irritation persists: Get medical advice/attention.

P304 + P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.

**2.3 Other Hazards**  
None

**3 Composition/Information On Ingredients**

**3.2 Mixture**

Component	Classification	Concentration
Part A: MOPS Buffer, Free acid		
CAS No. : 1132-61-2 EC No. : 214-478-5	<b>As Per EC Regulation 1272/2008</b> Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3 H315; H319; H335	>=50.0 - <=80.0%

Component	Classification	Concentration
L-Tyrosine disodium salt		
CAS No. : 69847-45-6	<b>As Per EC Regulation 1272/2008</b> Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3 H315; H319; H335	>=1.0 - <=10.0%

Component	Classification	Concentration
Niacinamide		
CAS No. : 98-92-0 EC No. : 202-713-4	<b>As Per EC Regulation 1272/2008</b> Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3 H315; H319; H335	>=0.01 - <=0.1%

Component	Classification	Concentration
p-Amino benzoic acid (PABA)		
CAS No. : 150-13-0 EC No. : 205-753-0	<b>As Per EC Regulation 1272/2008</b> Skin Irrit. 2; Skin Sens. 1; Eye Irrit. 2A H315; H317; H319	>=0.01 - <=0.1%

Component	Classification	Concentration
Calcium nitrate tetrahydrate		
CAS No. : 13477-34-4	<b>As Per EC Regulation 1272/2008</b>	>=0.1 - <=1.0%

EC No. :	233-332-1	Ox. Sol. 3 H272	
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Refer Section 16 for complete statement of H codes and its classification

## 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

No data available.

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

No data available

## 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

Carbon oxides, nitrogen oxides (NOx), Sulphur oxides, Hydrogen chloride gas

### 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. Ensure adequate ventilation.

Evacuate personnel to safe areas.

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

## 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

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.

### 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** : On receipt store between 2-8°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 2016/425/EEC and the standard EN ISO 374-1/2016 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**

Do not empty into drains.

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## 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	Part A: Cream to yellow coloured homogeneous free flowing powder Part B: Off-white to cream coloured homogeneous free flowing powder
Odour	No data available
Odour Threshold	No data available
pH	6.90 - 7.10
Melting/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	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
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	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

No data available

### 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

Refer Section 5.2. Other Decomposition products not known.

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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

***Additional Information***

RTECS : No data available

## **11.2 Components**

**MOPS Buffer, Free Acid**

*Acute Oral Toxicity*

*Rat LD50:>2,000mg/kg*

**Additional Information:**

*RTECS:QE9104530*

**PABA (Para aminobenzoic acid)(4-aminobenzoic acid)**

*Acute oral toxicity*

Rat LD50 : 6gm/kg(RTECS)

Mouse LD50 : 2850mg/kg

Rabbit LD50 : 1830 mg/kg

Dog LD50 : 1000 mg/kg

*Acute inhalation toxicity*

No data available

*Acute dermal toxicity*

No data available

*Skin irritation*

No data available

*Eye irritation*

No data available

*Sensitisation*

STOT :May cause respiratory irritation

*Genetic toxicity(in-vitro)*

Ames Test

Negative (National Toxicological Program)

Germ cell mutagenicity

Mouse  
Causes DNA damage  
*Carcinogenicity*  
IARC Group 3 (It is not established as carcinogen to humans)  
*Toxicity to Reproduction*  
No data available  
*Teratogenicity*  
No data available

**Additional information:**  
RTECS: No data available

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## 12 Ecological Information

### 12.1 Toxicity

No data available for this mixture

#### Components

##### MOPS Buffer, Free Acid

*Toxicity to daphnia and other aquatic invertebrates*

Daphnia magna (Water flea) EC50: >100 mg/l; 48 h

#### Components

##### PABA (Para aminobenzoic acid) (4-aminobenzoic acid)

*Toxicity to daphnia and other aquatic invertebrates*

Daphnia magna (Water flea) EC50 : 546 mg/l; 24 h.

*Toxicity to Bacteria*

*Microtox test*

*Phytobacterium phosphoreum* EC50: 27.4 mg/l; 30 mins.

### 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

This preparation contains no substance considered to be persistent, bioaccumulating or toxic (PBT) at levels of 0.1% or higher.

### 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 disposal company. Contact a licenced professional waste disposal service to dispose off this material.

### 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

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

## 15 Regulatory Information

This safety datasheet complies with the requirements of Regulation(EC) No. 1907/2006.

### 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

Text of H codes and classification mentioned in section 3

H272	May intensify fire; oxidizer
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H335	May cause respiratory irritation
Eye Irrit. 2A	Serious eye damage or eye irritation, Category 2A
Ox. Sol. 3	Oxidising solids, Category 3
Skin Irrit. 2	Skin corrosion or irritation, Category 2
Skin Sens. 1	Sensitisation, Skin, Category 1
STOT SE 3	Specific target organ toxicity, single exposure, Respiratory tract

irritation, Category 3

### **Further Information**

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