

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

Product Number M1333  
Product Name Lee's Multidifferential Agar  
REACH Registration Number This product is a mixture. Reach registration number is not available for this mixture.

**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

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

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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]**

Not a hazardous substance or mixture according to Regulation (EC) No.1272/2008.

**2.2 Label elements**

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

The product does not need to be labelled in accordance with EC directives or respective national laws.

**2.3 Other Hazards**

None

**3 Composition/Information On Ingredients****3.2 Mixture**

Component		Classification	Concentration
Citric acid			
CAS No. :	77-92-9	<b>As Per EC Regulation 1272/2008</b> Skin Irrit. 2; Eye Dam. 1 H315; H318	>=1.0 - <=10.0%
EC No. :	201-069-1		

Component		Classification	Concentration
Cycloheximide			
CAS No. :	66-81-9	<b>As Per EC Regulation 1272/2008</b> Acute Tox. oral 1,2; Skin Irrit. 2; Muta. 2; Repr. 1B; Aquatic Chronic 2 H300; H315; H341; H360D; H411	>=0.01 - <=0.1%
EC No. :	200-636-0		
Index-No :	613-140-00-8		

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 off with soap and plenty of 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, Calcium oxide

### 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 adsorbent material and dispose of as hazardous waste. 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	Light yellow to light green coloured homogeneous free flowing powder
Odour	No data available
Odour Threshold	No data available
pH	5.30 - 5.70
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**

No data available

**10.6 Hazardous decomposition products**

Refer Section 5.2

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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 : No data available

## 11.2 Components

### **Cycloheximide**

#### ***Acute Toxicity***

LD50 Oral rat:2mg/kg

#### ***Skin Corroison/Irritation***

Skin-rabbit Result -Skin irritation-24 h

#### ***Germ cell mutagenicity***

Lab experiments have shown mutagenic effects

Invitro tests showed mutagenic effects

#### ***Reproductive toxicity***

May casue congenital malformation in the fetus.

Presumed human reproductive toxicant.

Liver-irregularities-Based on human Evidence

**Additional Information**

RTECS : MA4375000

**Chloramphenicol***Acute Toxicity*

LD50 Oral rat:2.500 mg/kg

LD50 Intraperitoneal rat:1.811 mg/kg

LD50 Intraperitoneal mouse:1.100 mg/kg

*Respiratory or skin sensitization*

Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals

*Germ cell mutagenicity*

Lab experiments have shown mutagenic effects

*Possible human carcinogen*

IARC: Group 2A Probably carcinogenic to humans (Chloramphenicol)

*Reproductive toxicity*

May cause congenital malformation in the fetus.

Presumed human reproductive toxicant.

Liver-irregularities-Based on human Evidence

A Dose of about 1 gram can cause : Nausea, burning sensation, sores in the mouth, lesions of the Throat., sores in the digestive tract, Tremors, convulsions Shock ., Death may result from ingestion of two to five grams., Prolonged or repeated exposure may cause : Increased bone density, calcium deposits in the ligaments, new bone growth, vomiting , diarrhea, abdominal pain, To the best of our Knowledge , the chemical ,Physical and toxicological properties have not been thoroughly investigated.

**Additional Information**

RTECS : AB6825000

**Citric acid***Acute oral toxicity*

Rat LD50: 5,400 mg/kg

*Acute inhalation toxicity*

No data available

*Acute dermal toxicity*

Rat LD50 >2,000 mg/kg

*Skin irritation*

Rabbit Result: Mild skin irritant

*Eye irritation*

Rabbit Result: irritant

*Sensitisation*

No data available

*Ames test*

No data available  
*Mutagenicity (mammal cell test)*  
No data available  
*Carcinogenicity*  
No data available  
*Toxicity to Reproduction*  
No data available  
*Teratogenicity*  
No data available

**Additional information:**  
RTECS: GE7350000

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## **12 Ecological Information**

### **12.1 Toxicity**

No data available

#### **Component:**

##### **Citric acid**

*Toxicity to fish*

Leuciscus idus melanotus LC50 :440 mg/l;48 h

### **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 substance or mixture contains no components considered to be persistent,bioaccumulating nor 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 company. Contact a licenced professional waste disposal service to dispose off this material.

### **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

**15 Regulatory Information**

This safety data sheet 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**

H300	Fatal if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H341	Suspected of causing genetic defects
H360D	May damage the unborn child
H411	Toxic to aquatic life with long lasting effects
Acute Tox. oral 1,2	Acute toxicity, oral, Category 1, 2
Aquatic Chronic 2	Hazardous to the aquatic environment, long term hazard, Category 2
Eye Dam. 1	Serious eye damage or eye irritation, Category 1
Muta. 2	Germ cell mutagenicity, Category 2
Repr. 1B	Reproductive toxicity, Category 1B
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.



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