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

1.1 Product Identifiers

Product Number	M567
Product Name	Listeria Selective Agar (Twin Pack)
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
For InVitro Diagnostic Use

1.3 Details of the supplier of the safety data sheet

Produced by: HiMedia Laboratories Private Limited
Address: C - 40,Road No.21Y,MIDC, Wagle Industrial Area, Thane(W), - 400 604, India

Tel. No. +91-22- 6147 1919/6116 9797 Fax No. : +91-22- 61471920
Mail Id info@himedialabs.com Website : www.himedialabs.com

1.4 Emergency Tel. No.

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

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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
Acute toxicity, Inhaled, (Category 4), H332
Hazardous to the aquatic environment, long term hazard, (Category 3), H412

2.2 Label elements

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

Pictogram
Signal word Warning

Hazard Statement(s)

H302	Harmful if swallowed
H312	Harmful in contact with skin
H332	Harmful if inhaled
H412	Harmful to aquatic life with long lasting effects

Precautionary Statement(s)

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

P273 Avoid release to the environment.

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

2.3 Other Hazards

EUH032 Contact with acids liberates very toxic gas.

---

3 Composition/Information On Ingredients

3.2 Mixture

Component		Classification	Concentration
Acriflavine hydrochloride (Part A)			
CAS No. :	8063-24-9	**As Per EC Regulation 1272/2008** H302; H318; H411	>=0.01 - <=0.1%

Component		Classification	Concentration
Nalidixic acid (Part A)			
CAS No. : EC No. :	389-08-2 206-864-7	**As Per EC Regulation 1272/2008** Acute Tox.oral 4 H302	>=0.01 - <=0.1%

Component		Classification	Concentration
Potassium thiocyanate (Part B)			
CAS No. : EC No. :	330-20-1 206-370-1	**As Per EC Regulation 1272/2008** Acute Tox.oral 4; Acute Tox. dermal. 4; Acute Tox.inhal. 4; Aquatic Chronic 3 H302; H312; H332; H412	>=90.0 - <=100%

Refer Section 16 for complete statement of H codes and its classification

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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

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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, Sodium oxides, Sulphur oxides, Hydrogen chloride gas, Potassium oxides

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. 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 saftey 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 homogeneous free flowing powder Part B : White to cream homogeneous free flowing powder
Odour	No data available
Odour Threshold	No data available
pH	7.20 - 7.60
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

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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

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

Acriflavine Hydrochloride
Acute Oral Toxicity
Rat LD50: 1,048 mg/kg
Skin corrosion/irritation
Skin-Rabbit
Result: No irritation
Serious eye damage/eye irritation
Rabbit :Causes serious eye irritation

Additional information
RTECS: No data available
Causes cardiovascular effects, Central nervous system depression, Respiratory disorders

Nalidixic acid
Acute Oral Toxicity
Rat LD50 :2040mg/kg
Mouse LD50 :572mg/kg
Acute Intraperitoneal Toxicity
Rat LD50 : 319 mg/kg
Mouse LD50: 600 mg/kg
Acute Intravenous Toxicity
Rat LD50 :1160 mg/kg
Mouse LD50: 101 mg/kg
Acute Dermal Toxicity
Rat LD50: 1584 mg/kg
Mouse LD50 : 500 mg/kg
Additional Information
RTECS: QN2885000

Potassium thiocyanate
Acute oral toxicity
Mouse LD50: 594 mg/kg
Mouse LD50: 590 mg/kg
Rat LD50: 854 mg/kg
Human oral TDLo: 428 mg/kg
Toxic pychosis, hallucinations, distorted perceptions, gastritis
Human oral LDLo: 80 mg/kg

hallucinations, distorted perceptions, convulsions, muscle weakness.
Rabbit oral LDLo: 500 mg/kg
Guinea pig oral LDLo: 600 mg/kg
Frog oral LDLo: 300 mg/kg
Carcinogencity
Not listed by ACGIH, IARC, NTP or CA Prop 65.
Teratogenicity
No information available

Additional information
RTECS : XL1925000

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12 Ecological Information

12.1 Toxicity

No data available for this mixture

Components

Acriflavine hydrochloride

Toxicity to Fish

Leuciscus idus (Golden orfe) LC50 :1 -10 mg/l ;48 h
Bluegill/Sunfish LC50: 13.5 mg/l; 48 h
Rainbow trout LC50 : 19.9 mg/l; 48 h

Components:

Potassium thiocyanate

Toxicity to fish

Salvelinus fontinalis (Flow through test) LC50: > 27.9 mg/L;96h
Oncorhynchus mykiss (rainbow trout) LC50: 11 mg/l; 96 h
Toxicity to aquatic invertebrates
Daphnia magna (Water flea)
LC50: 0.629 - <= 32.088 mg/L;96h (Static test)
EC50: 2.8 mg/l; 96 h
Toxicity to aquatic algae and cyanobacteria
Microcystis aeruginosa (Static test) EC50: 47 mg/L;72h
Toxicity to other aquatic organisms
Pandalus montaguil (pink shrimp)LC50: > 6.2 mg/L;48h

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

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

H302	Harmful if swallowed
H312	Harmful in contact with skin
H318	Causes serious eye damage
H332	Harmful if inhaled
H411	Toxic to aquatic life with long lasting effects

H412	Harmful to aquatic life with long lasting effects
Acute Tox. dermal. 4	Acute toxicity, dermal, Category 4
Acute Tox.inhal. 4	Acute toxicity, inhaled, Category 4
Acute Tox.oral 4	Acute toxicity, oral, Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment, long term hazard, Category 3

Further Information

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.