

LISTERIA SELECTIVE AGAR (DOUBLE PACK)

SECTION 1: PRODUCT IDENTIFICATION

Product Name: Listeria Selective Agar (Double Pack)
 Product Code: TM 612
 REACH Registration Number: This product is a mixture. Reach registration number is not available for this mixture
 Relevant identified uses :Laboratory Chemicals, Analytical Purpose, Biochemical Analysis For

Relevant identified uses :Laboratory Chemicals, Analytical Purpose, Biochemical Analysis For InVitro Diagnostic Use

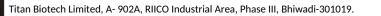
SECTION 2: HAZARDS IDENTIFICATION

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				
Acute toxicity, Inhaled, (Category 4), H332				
	onment, long term hazard, (Category 3), H412			
Label elements				
Labeling according to Regulation	on (FC) No 1272/2008			
Pictogram				
Signal word	Warning			
Hazard Statement(s)	Warning			
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)	naminal to aquatic life with long lasting creets			
P302 + P352	IF ON SKIN: wash with plenty of soap and water.			
P273	Avoid release to the environment.			
P273 P280	Wear protective gloves/protective clothing/eye protection/face			
protection.	wear protective groves/ protective clothing/eye protection/race			
Other hazards				
	Contact with aside liberates yery taxis as			
EUH032	Contact with acids liberates very toxic gas.			

SECTION 3: COMPOSITION /INFORMATION ON INGREDIENTS

Mixture

Component	Classification	Concentration
Acriflavine hydrochloride (Par	t A)	
CAS No. : 8063-24-9	As Per EC Regulation 1272/2008	>=0.01 - <=0.1%
	H302; H318; H411	
Component	Classification	Concentration
Nalidixic acid (Part A)		
CAS No. : 389-08-2	As Per EC Regulation 1272/2008	>=0.01 - <=0.1%
EC No. : 206-864-7	Acute Tox.oral 4 H302	
Component	Classification	Concentration
Potassium thiocyanate (Part E	3)	
CAS No. : 330-20-1	As Per EC Regulation 1272/2008	>=90.0 - <=100%



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EC No. : 206-370-1 Acute Tox.oral 4; Acute Tox. dermal. 4; Acute Tox.inhal. 4; Aquatic Chronic 3 H302; H312; H332; H412 Refer Section 16 for complete statement of H codes & classification. SECTION 4: FIRST AID MEASURES 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.
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Most important symptoms and effects, both acute and delayed No data available.
Indication of immediate medical attention and special treatment needed
No data available
SECTION 5: FIRE FIGHTING MEASURES

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Extinguishing media

Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Unsuitable extinguishing media No data available. Special hazards arising from the substance or mixture Carbon oxides, Hydrogen chloride gas, Sodium oxides. Advice for firefighters Wear self-contained breathing apparatus for firefighting if necessary. Further information No data available

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains. 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. Reference to other sections For disposal see section 13.

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

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 StorageTemperature: On receipt store between 2-8°C

Specific end uses

Apart from the uses mentioned in section 1, no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components with workplace control parameters

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 multipurpose 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

a) Appearance	: Part A : Cream to yellowcolour, homogeneous free flowing powder Part B : White to cream homogeneous free flowing powder
b) Odour	: No data available
c) Odour Threshold	: No data available
d) pH	: 7.20 - 7.60
e) Melting point/freezing point	: No data available
f) Initial boiling point and boiling range	: No data available
g) Flash point	: No data available



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h) Evaporation rate	: No data available
i) Flammability (solid, gas)	: No data available
j) Upper/lower flammability or explosive limits	: No data available
k) Vapour pressure	: No data available
l) Vapour density	: No data available
m) Relative density	: No data available
n) Water solubility	: No data available
 o) Partition coefficient noctanol/water 	: No data available
p) Auto-ignition temperature	: No data available
q) Decomposition temperature	: No data available
r) Viscosity	: No data available
s) Explosive properties	: No data available
t) Oxidizing properties	: No data available

Other safety information

No data available

SECTION 10: STABILITY AND REACTIVITY DATA

Reactivity:No data available Chemical stability:No data available. Possibility of hazardous reactions: No data available Conditions to avoid:No data available Incompatible materials: No data available Hazardous decomposition products: Refer Section 5

SECTION 11: TOXICOLOGICAL INFORMATION

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 sensitization:** No data available Germ cell mutagenicity: No data available **Carcinogenicity:** IARC: No component of this product is 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 available 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

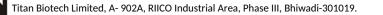




Rabbit : Causes serious eye irritation Additional information **RTECS: No data available** Causes cardiovascular effects, Central nervous system depression, Respiratory disorders Nalidixic acid Acute Oral Toxicity Rat LD50 :2040mg/kg Mouse LD50 :572mg/kg Acute Intraperitoneal Toxicity Rat LD50 : 319 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

SECTION 12: ECOLOGICAL INFORMATION

Toxicity No data available Components Acriflavine hydrochloride Toxicity to Fish Leuciscusidus (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 Salvelinusfontinalis (Flow through test) LC50: > 27.9 mg/L;96h Oncorhynchusmykiss (rainbow trout) LC50: 11 mg/l; 96 h Toxicity to aquatic invertebrates



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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 Microcystisaeruginosa (Static test) EC50: 47 mg/L;72h Toxicity to other aquatic organisms Pandalusmontaguil (pink shrimp)LC50: > 6.2 mg/L;48h Persistence and degradability No data available **Bioaccumulative potential** No data available Mobility in soil No data available **Result of PBT and vPvB assessment** This preparation contains no substance considered to be persistent, bioaccumulating or toxic (PBT) at levels of 0.1% or higher. Other adverse effects No data available SECTION 13: DISPOSAL CONSIDERATION

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.

Contaminated packaging Dispose of as unused product

SECTION 14: TRANSPORT INFORMATION

UN - No ADNR : ADR : IATA_C : IATA_P : IMDG : RID :

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

Transport hazard class(es) ADNR : - ADR : - IATA_C : - IATA_P : - IMDG : - RID : -Packaging group ADNR : ADR : IATA_C : IATA_P : IMDG : RID :

Environmental hazards ADNR : No ADR : No IMDG : Marine Pollutant No IATA_C : No IATA_P : No RID : No Special precautions for use No data available

SECTION 15: REGULATORY INFORMATION

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 Safety health and environment regulations/legislation specific for the substance or mixture

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No data available **Chemical Safety Assessment** No data available.

SECTION 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.	Acute toxicity, dermal, Category 4
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

The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The information is offered solely for user's obligation to investigate and determine the suitability of the information for their particular purpose.



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