SECTION 1 – IDENTIFICATION

Product Identifier: LB Agar Miller
Bacteria Culture Media

Catalogue Number: 4010

Other means of identification: Miller's LB Agar

Recommended use of the chemical and restrictions on use:
Suitable for growth and maintenance of E. coli strains used in molecular microbiology procedures.
For R&D use only. Not for pharmaceutical, household or other uses.

Supplier Information:

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Singapore 618305
Tel: +65 6775 7318
Email: custcare@axilscientific.com

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Taman Perindustrian Bukit Serdang
43300 Seri Kembangan, Selangor, Malaysia
Tel: +603 8943 3252
Email: custcare@apicalscientific.com

Emergency phone number:

Monday – Friday, 8:00 a.m. to 6:00 p.m.
+65 6775 7318 (Singapore)
+603 8943 3252 (Malaysia)

SECTION 2 – HAZARDS IDENTIFICATION

GHS Classification
Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

Other Hazards - None

SECTION 3 – COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical characterization: Mixture

Chemical Identity: Sodium Chloride
Synonyms: Common salt
Halite
Table salt
Molecular Formula: NaCl
Molecular Weight: 58.44
CAS No.: 7647-14-5
EC No.: 231-598-3

Chemical Identity: Tryptone
CAS No.: 73049-73-7

Chemical Identity: Yeast Extract
CAS No.: 8013-01-2
EC No.: 232-387-9

Chemical Identity: Bacteriological Agar
Synonyms: Polysaccharide Complex
CAS No.: 9002-18-0
EC No.: 232-658-1

Component	Classification	Concentration
Sodium Chloride		
CAS No.: 7647-14-5 **EC No.:** 231-598-3		≥ 25 %
Tryptone		
CAS No.: 73049-73-7		≥ 25 %
Yeast Extract		
CAS No.: 8013-01-2 **EC No.:** 232-387-9		≥ 12.5 %
Bacteriological Agar		
CAS No.: 9002-18-0 **EC No.:** 232-658-1		≥ 37.5 %

SECTION 4 – FIRST-AID MEASURES

Eye Contact
Flush eyes with water as a precaution.

Skin Contact
Immediately wash skin thoroughly with soap and copious amounts of water.

Inhalation
Remove to fresh air. If not breathing, give artificial respiration or if breathing is difficult, give oxygen.

Ingestion
Never give anything by mouth to an unconscious person. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Indication of immediate medical attention and special treatment needed
Data not available.

SECTION 5 – FIRE-FIGHTING MEASURES

Extinguishing Media
Use water spray, dry chemical powder, carbon dioxide or alcohol-resistant foam.

Special Exposure Hazards
Sodium oxides, hydrogen chloride gas.

Special Fire-fighting Procedures
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions
Prevent skin/eye contact. Use personal protective equipment. Avoid dust formation. Ensure adequate ventilation. Avoid breathing dust.

Environmental Precautions
Do not allow material into sewers and drainage systems.

Methods for Cleaning Up
Clean up spills immediately, observing precautions in the safety data sheet and label. Minimize dust generation. Dispose into a chemical waste container.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling
Prevent skin/eye contact. Use personal protective equipment. Avoid dust formation. Ensure adequate ventilation. Avoid breathing dust. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities
Store in tightly closed container in a cool, dry and well-ventilated area.

SECTION 8 – EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational Exposure Limits
We are not aware of any national exposure limit.

Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice.

Eye/ Face Protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin/ Hand 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 of 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

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection
Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

a)	**Appearance**	Yellow-tan, fine powder
b)	**Odour**	Characteristic odour
c)	**Odour Threshold**	Not available
d)	**pH (2.5% w/v, H_2O; 25°C)**	6.8 – 7.2
e)	**Melting/freezing point**	Not available
f)	**Initial boiling point and boiling range**	Not available
g)	**Flash point**	Not available
h)	**Evaporation rate**	Not available
i)	**Flammability (solid, gas)**	Not available
j)	**Upper/lower flammability or explosive limits**	Not available
k)	**Vapour pressure (mm Hg)**	Not available
l)	**Vapour density**	Not available
m)	**Relative density**	Not available
n)	**Solubility (ies)**	Not available
o)	**Partition coefficient: n-octanol/water**	Not available
p)	**Autoignition temperature**	Not available
q)	**Decomposition temperature**	Not available
r)	**Viscosity**	Not available

SECTION 10 – STABILITY AND REACTIVITY

Reactivity
Data not available.

Chemical stability
Stable.

Possibility of hazardous reactions
Data not available.

Conditions to avoid
Data not available.

Incompatible material
Strong oxidizing agents.

Hazardous decomposition products
Data not available.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity
Data not available.

Skin corrosion/irritation
Data not available.

Serious eye damage/eye irritation
Data not available.

Respiratory or skin sensitization
Data not available.

Germ cell mutagenicity
Data not 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
Data not available.

Specific target organ toxicity – single exposure
Data not available.

Specific target organ toxicity – repeated exposure
Data not available.

Aspiration hazard

Data not available.

Other information
RTECS: Data not available

SECTION 12 – ECOLOGICAL INFORMATION

Toxicity
Data not available.

Persistence and degradability
Data not available.

Bioaccumulative potential
Data not available.

Mobility in soil
Data not available.

Other adverse effect
Data not available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Product
Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging
Dispose off as unused product.

SECTION 14 – TRANSPORT INFORMATION

UN Number
ADR/RID: - IMDG: - IATA-DGR: -

UN Proper Shipping Name:
ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA-DGR: Not dangerous goods

Transport Hazard Class(es)
ADR/RID: - IMDG: - IATA-DGR: -

Packing Group
ADR/RID: - IMDG: - IATA-DGR: -

Environmental Hazards
ADR/RID: no IMDG: marine pollutant: no IATA-DGR: no

Special Precaution for Users
Data not available

SECTION 15 – REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture
Data not available

SECTION 16 – OTHER INFORMATION

Date of Issue: JULY 11, 2008 **Date of Revision:** MARCH 04, 2025

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. Axil Scientific Pte Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.