SAFETY DATA SHEET

[Required under safety and health regulations for shipping and handling]

Version: 2022
Date Updated: December 31, 2022

SECTION 1. - - - - - - - - - PRODUCT AND COMPANY IDENTIFICATION- -

Product Name	Baird-Parker Agar Base
Product Code(s)	SG7268 / SG7269
Recommended Use	For Laboratory Research Use Only Not for Human or Animal Drug Use
Supplier	Bio Basic Asia Pacific Pte Ltd.
Address	2 International Business Park Road Strategy #01-04, Singapore 609930
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Email	sg@biobasic-asia.com

SECTION 2. - - - - - - - - - - HAZARDS IDENTIFICATION -

Classification of the substance or mixture
Serious eye damage/eye irritation: Category 2, H319
Skin sensitization: Category 1, H317

GHS Label elements, including precautionary statements

Hazard pictograms: 

Signal Word: Warning

Hazard Statements: H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

Precautionary Statements

Prevention: P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/spray.

P264 Wash skin thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves.

Response: P302 + P352 IF ON SKIN: Wash with plenty of 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.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P362 + P364 Take off contaminated clothing and wash it before reusing.

Disposal: P501 Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS - none

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SECTION 3. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS -

Mixtures
Mixture

Components

Chemical Name	CAS-No.	Classification
Pyruvic Acid Sodium Salt	113-24-6	Eye Dam. /Irrit. 2A; Skin Sens. 1B; H319, H317
Lithium Chloride	7447-41-8	Acute Tox. 4; Skin Corr./Irrit. 2; Eye Dam. /Irrit. 2A; H302, H315, H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

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 the person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Immediately remove all contaminated clothing. Wash off with soap and plenty of water for several minutes. Consult a physician.

In case of eye contact
Rinse out with plenty of water for at least 15 minutes. Remove contact lenses.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

Indication of any immediate medical attention and special treatment needed
No data available

SECTION 5. - - - - - - - - - FIRE FIGHTING MEASURES -

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture
Hydrogen chloride gas, Sodium oxides, Carbon Oxides, Lithium oxides, Nitrogen oxides, Iron oxides

Advice for firefighters
Wear self-contained breathing apparatus for firefighting in the event of fire.

Further information
Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

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SECTION 6. - - - - - - - - - - ACCIDENTAL RELEASE MEASURES- -

Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.
For personal protection see section 8.

Environmental precautions
Do not let product enter drains.

Methods and materials for containment and cleaning up
Soak up with inert absorbent material. Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

Reference to other sections
See section 12 and 13 for more information.

SECTION 7. - - - - - - - - - - - HANDLING AND STORAGE- -

Precautions for safe handling
For precautions see section 2.

Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry, cool and well-ventilated place. Hygroscopic, moisture sensitive.
Storage class 11: Combustible Solids

Specific end use(s)
Apart from the uses mentioned in section 1 no other specific uses are stipulated

SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- -

Control parameters

Ingredients with workplace control parameters
Contains no substances with occupational exposure limit values.

Exposure controls

Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection
Safety glasses with side-shields conforming to EN166. 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. contaminated gloves after use in accordance with applicable laws and good laboratory practices.
Wash and dry hands.

Body protection
Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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Respiratory protection
Required when dusts are generated.
Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Control of environmental exposure
No special environmental precautions are required.

SECTION 9. - - - - - - - PHYSICAL AND CHEMICAL PROPERTIES -

Information on basic physical and chemical properties

Appearance	Form: solid
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

Other safety information
No data available

SECTION 10. - - - - - - - - -STABILITY AND REACTIVITY -

Reactivity
The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

Chemical stability
Stable under standard ambient conditions (room temperature).

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Possibility of hazardous reactions
No data available

Conditions to avoid
No data available

Incompatible materials
Strong oxidizing agents

Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Hydrogen chloride gas, Sodium oxides
In the event of fire: see section 5

SECTION 11. - - - - - - - - - - - TOXICOLOGICAL INFORMATION -

Acute toxicity
Oral: > 2,000 mg/kg
Inhalation: No data available
Dermal: No data available

Chemical Name	CAS-No.	LD50 Oral	LD50 Dermal	LC50 Inhalation
Pyruvic Acid Sodium Salt	113-24-6	No Data Available	No Data Available	No Data Available
Lithium Chloride	7447-41-8	526 mg/kg (Rat, male)	> 2,000 mg/kg (Rat)	> 5.57 mg/l (Rat)

Skin corrosion/irritation
May cause skin irritation in susceptible persons.

Serious eye damage/eye irritation
Mixture causes serious eye irritation.

Respiratory or skin sensitization
May be harmful by inhalation. Mixture may cause an allergic skin reaction.

Germ cell mutagenicity
No data available

Carcinogenicity
No data available

Reproductive toxicity
No data available

Specific target organ toxicity - single exposure
No data available

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
May be harmful if swallowed.

Additional Information
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

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SECTION 12. - - - - - - - - - - ECOLOGICAL INFORMATION -

Toxicity

Chemical Name	CAS-No.	Fish	Daphnia and Other Aquatic Invertebrates	Algae/Aquatic Plants	Bacteria
Pyruvic Acid Sodium Salt	113-24-6	No Data Available	EC50 (Daphnia magna (Water flea)): > 100 mg/l, (Exposure time: 48h)	ErC50 (*Raphidocelis subcapitata* (freshwater green alga)): > 3.02 mg/l (Exposure time: 72 h)	No Data Available
Lithium Chloride	7447-41-8	LC50 (Oncorhynchus mykiss (rainbow trout)): 158 mg/l (Exposure time: 96h); NOEC (Danio rerio (zebra fish)): 18 mg/l(Exposure time: 34d)	EC50 (Daphnia magna (Water flea)): 249 mg/l (Exposure time: 48h)	ErC50 (*Desmodesmus subspicatus* (green algae)): 400 mg/l (Exposure time: 72 h)	EC50 (activated sludge): 320.05 mg/l (Exposure time: 3 h)

Persistence and degradability
No data available

Bioaccumulative potential
No data available

Mobility in soil
No data available

Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects
No data available

SECTION 13. - - - - - - - - - - DISPOSAL CONSIDERATIONS -

Waste treatment methods

Product
Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

Contaminated packaging
Dispose of as unused product in accordance with the national and local regulations.

SECTION 14. - - - - - - - - - - TRANSPORT INFORMATION -

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

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SECTION 15. - - - - - - - - - - REGULATORY INFORMATION -

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

SECTION 16. - - - - - - - - - - OTHER INFORMATION- -

Full text of H-Statements referred to under sections 2 and 3.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

Further information: no limited for paper copy, just for internal uses.
For research use only. Not intended for human or animal diagnostic or therapeutic uses.

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

Issuing Date: 31-Dec-2022

End of SDS

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