

Effective date: 07/08/25	Hy-Labs Cat. No:	MSDS FORMAT	hylabs
Doc. No: MSDS- PD221	PD221	MATERIAL SAFETY DATA SHEET	Replace Doc: NA

1- Product and Company Identification																						
Product Name	PD221 - LB + AMPICILLIN 200MG/L																					
Reference number	PD221																					
Manufacturer	Hy-Laboratories Ltd. Park Tamar, Rehovot, 76326, Israel Tel: 972-8-9366475 Fax: 972-8-9366474																					
2- Hazards identification																						
Classification Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) Label Elements None required Hazards not otherwise classified (HNOC) None identified																						
3- Composition/information on ingredients																						
LB Agar plate with 200µg/ml ampicillin <table border="1"> <thead> <tr> <th>Component</th> <th>CAS No</th> <th>Weight %</th> </tr> </thead> <tbody> <tr> <td>Water</td> <td>7732-18-5</td> <td>95.9302</td> </tr> <tr> <td>Agar</td> <td>9002-18-0</td> <td>1.6</td> </tr> <tr> <td>Sodium chloride</td> <td>7647-14-5</td> <td>0.9839</td> </tr> <tr> <td>Peptones, casein</td> <td>91079-40-2</td> <td>0.9839</td> </tr> <tr> <td>Yeast, ext.</td> <td>8013-01-2</td> <td>0.492</td> </tr> <tr> <td>Ampicillin sodium salt</td> <td>69-52-3</td> <td>0.02</td> </tr> </tbody> </table>		Component	CAS No	Weight %	Water	7732-18-5	95.9302	Agar	9002-18-0	1.6	Sodium chloride	7647-14-5	0.9839	Peptones, casein	91079-40-2	0.9839	Yeast, ext.	8013-01-2	0.492	Ampicillin sodium salt	69-52-3	0.02
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4- First Aid Measures																						
Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention. Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur. Inhalation Remove to fresh air. Get medical attention immediately if symptoms occur. Ingestion Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur. Most important symptoms and effects None reasonably foreseeable. Notes to Physician Treat symptomatically																						
5- Fire Fighting Measures																						

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Extinguishing Media

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

Special Exposure Hazards

Carbon oxides, Nitrogen oxides, Hydrogen chloride gas, Sodium oxides.

Special Fire-fighting Procedures

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

6- ACCIDENTAL RELEASE MEASURES

Personal Precautions

Prevent skin/eye contact. Use personal protective equipment. Ensure adequate ventilation. Avoid breathing vapours.

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.

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.

8- Exposure Controls, Personal Protection

Exposure Guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Measures

None under normal use conditions

Personal Protective Equipment

Eye/face Protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection

Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection

No protective equipment is needed under normal use conditions.

Recommended Filter type: Particle filter.

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Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

9- Physical and Chemical Properties

Physical State	Liquid	Gel
Appearance		No information available
Odor		No information available
Odor Threshold		No information available
pH		No information available
Melting Point/Range		No data available
Boiling Point/Range		No information available
Flash Point		No information available
Evaporation Rate		No information available
Flammability (solid,gas)		Not applicable
Flammability or explosive limits		
Upper		No data available
Lower		No data available
Vapor Pressure		No information available
Vapor Density		No information available
Specific Gravity		No information available
Solubility		No information available
Partition coefficient; n-octanol/water		No data available
Autoignition Temperature		No information available
Decomposition Temperature		No information available
Viscosity		No information available

10- Stability and Reactivity

Reactive Hazard	None known, based on information available
Stability	Stable under normal conditions.
Conditions to Avoid	Incompatible products.
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Nitrogen oxides (NOx)
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.

11- Toxicological Information

Acute Toxicity

Product Information

Oral LD50	Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg.
Dermal LD50	Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg.
Vapor LC50	Based on ATE data, the classification criteria are not met. ATE > 20 mg/l.

Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Water	-	-	-
Agar	LD50 = 11 g/kg (Rat)	Not listed	Not listed
Sodium chloride	LD50 = 3 g/kg (Rat)	LD50 > 10000 mg/kg (Rabbit)	LC50 > 42 mg/L (Rat) 1 h
Ampicillin sodium salt	LD50 > 5314 mg/kg (Rat)	Not listed	Not listed

Carcinogenicity

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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

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.

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

14- Transport Information

DOT	Not regulated
TDG	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

15- Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Data not available

16- Other Information

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. It does not represent any guarantee of the properties of the product.