



Communication Address

429 (P), Hebbal Industrial Estate, Kasaba Hobli, Hebbal, Mysore-570 016, Karnataka State, India
Tel: Operations. +91-821-4191022, Fax: +91-821-4191033 I info@triphasepharma.com www.triphasepharma.com

MATERIAL SAFETY DATA SHEET

Lactobacillus plantarum TSP-Lp1

Section 1: Chemical Product and Company Identification

Product Name: PROVASIC™	Contact Information:
Catalogue Code/SKU: TPPL-PB-21B	Triphase Pharmaceuticals Pvt Ltd., Site no. Special 3,Property no 482, KSSIDC Industrial Estate, Kasaba Hobli, Hebbal, Mysore 570 016
CAS#: Not applicable.	Telephone No : 0821 - 4191022
TSCA: TSCA 8(b) inventory: No products were found.	Canadian Sales : 1-780-934-6059
CI #: Not applicable.	
Synonym: <i>Lactobacillus plantarum</i> 6 billion cfu/g or <i>Lactobacillus plantarum</i> 15 billion cfu/g or <i>Lactobacillus plantarum</i> 20 billion cfu/g	
Chemical Name: <i>Plantarum Lactobacillus</i> , Powder	
Chemical Formula: Not applicable.	

Section 2: Composition and Information on Ingredients

Composition:		
Name	CAS#	% by Weight
<i>Lactobacillus plantarum</i> , Powder	Not applicable	6 B – 10 -20%; 15 B – 30-40% 200 B – 45 – 55%
Maltodextrin	9050-36-6	60 - 70%

Section 3: Hazards Identification

Potential Acute Health Effects: Hazardous in case of eye contact (irritant). Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.
Potential Chronic Health Effects: CARCINOGENIC EFFECTS : Not applicable. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not applicable. DEVELOPMENTAL TOXICITY : Not applicable. Repeated or prolonged exposure is not known to aggravate medical Condition.
Classification
Basis for Classification: No classification and labeling is required according to GHS
USA OSHA Regulatory Status This material is non-hazardous as defined by the American OSHA Hazard Communication Standard (29 CFR 1910.1200)
Labeling Elements
Pictograph : No hazard symbol expected
Hazard statements/Signal Word: Not applicable



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Precautionary statements	other hazards which do not result in classification
Keep container tightly closed Use personal protective equipment as required Store in a dry place Store in a closed container Protect from sunlight Store at 25° C± 2°C, RH 60%± 5%	No particular fire or explosion hazard By mechanical effect : No particular hazards By hygroscopic effect : No particular hazards

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation Develops.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not applicable.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not applicable.

Section 5: Fire and Explosion Data

Flammability of the Product: Non –flammable.

Auto-Ignition Temperature: Not Applicable.

Flash Points: Not Applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not applicable.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available. Slightly explosive in presence of open flames and sparks.

Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards: Not applicable.

Special Remarks on Explosion Hazards: Fine dust dispersed in air in sufficient concentrations, and in the presences of an ignition source is a potential dust explosion hazard



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Section 6: Accidental Release Measures

Small Spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the Contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions: Keep away from heat. Keep away from sources of ignition.

Storage: Keep container tightly closed. Keep container in cool, well-ventilated area. Can be stored @ 24°C (75.2°F)

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Use local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit

Personal Protection: Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in case of a Large Spill:

Splash goggles. Full suit, boots, gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not applicable.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid Powder

Odour: Characteristic.

Taste: Tasteless

Molecular Weight: Not applicable.

Color: Light to off white colour powder

pH (1% soln/water): Not applicable.

Boiling Point: Not applicable.



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Melting Point: Not applicable.
Critical Temperature: Not applicable.
Specific Gravity: Not applicable.
Vapor Pressure: Not applicable.
Vapor Density: Not applicable.
Volatility: Not applicable.
Odor Threshold: Not applicable.
Water/Oil Dist. Coeff: Not applicable.
Ionicity (in Water): Not applicable.
Dispersion Properties: Not applicable.
Solubility: Soluble in Water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.
Instability Temperature: Not applicable.
Conditions of Instability: Excess heat, dust generation.
Incompatibility with various substances: Not applicable.
Corrosivity: Not applicable.
Special Remarks on Reactivity: Not applicable.
Polymerization: No

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.
Toxicity to Animals: Based on the results, the median lethal dose of *Lactobacillus plantarum* (TSP-Lp I) after single oral administration to female rats, observed over a period of 14 days is more than 5000 mg/kg body weight.
LD50 (Cut off value): More than 5000 mg/kg body weight and is classified as GHS Category 5 or Unclassified, LD50 is greater than 5000 mg/kg body weight.
Chronic effects on Humans: Not available.
Other toxic effects on Humans: Not available.
Special Remarks on Toxicity to Animals: No mortality in female rats, at 5000 mg/kg b. wt.; No abnormal clinical signs, at 5000 mg/kg b. wt.; No treatment related change in body weight and there was body weight gain, at 5000 mg/kg b. wt.
Special Remarks on chronic & other toxic effects on Humans: Not available.



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Section 12: Ecological Information
Eco toxicity: Not available .
BOD and COD: Not available.
Products of Biodegradation: Not available
Toxicity of the Products of Bide gradation: Not available.
Special Remarks on the Product of biodegradation: Not available.

Section 13: Disposal Considerations
Waste Disposal: Do not put into sewage lines. Dispose of in accordance to local, state and federal regulations.

Section 14: Transport Information
DOT HAZMAT Status: Not available .
Identification: Not applicable.
Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information
Federal & State Regulations: TSCA 8(b) inventory: No products were found.
Other Regulations: Labeling per DSHEA.
Other Classification:
WHMIS Not controlled under WHMIS (Canada).
DSCL (EEC):
Not applicable.



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HMIS (USA):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (USA- NFPA):

Health: 2

Flammability: 0

Reactivity: 0

Special Hazard:

Protective Equipment:

Gloves, Lab coat, Vapour respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles:

Health	2
Fire	1
Reactivity	0
Personal Protection	E

Section 16: Other Information

References: Not available.

Other Special Considerations: This product is not sold as a food. Determination of its suitability for a particular use should be made by qualified persons familiar with its properties and composition.

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