

Title: Safety Data Sheet

1. IDENTIFICATION

Product Identifier

Product Name PT items (lyophilized bacteria pellet in 10 ml glass vial)

Other means of identification

SDS # SDS-2026-01

UN/ID No UN3373

Product Code PT-FM-100, PT-FM-99
PT-FM-98, PT-FM-97
PT-FM-96, PT-FM-95
PT-FM-94, PT-FM-93
PT-FM-92, PT-FM-91,
PT-FM-90
PT-WM-01, PT-WM-02
PT-WM-03, PT-WM-04
PT-WM-05
PT-CM-201,PT-CM-202

Recommended use of the chemical and restrictions on use

Recommended Use For laboratory use.

Details of the supplier of the safety data sheet

NLPTS
Jordan-Amman-otba ben ghazwan street, building 23

Emergency Telephone Number

Company Phone Number Phone: +962 6 5506539

2. HAZARDS IDENTIFICATION

Appearance	Physical State	Odor
According to product specification	Glass vial contains dry material	Odorless

EMERGENCY OVERVIEW: This material presents a biohazard and risk of

Classification

Each lyophilized pellet contains a pure or mixed microorganism population. The microorganisms are classified as either Risk Group 1 or Risk Group 2 by the World Health Organization (WHO). These microorganisms may cause human infection, may pose a hazard to the laboratory personnel, but are unlikely to spread in the community. Exposure to these microorganisms in the laboratory rarely causes infection. Effective prevention and treatment are readily available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Nature Each vial contains mixed microorganism population
(Enterobacter aerogenes, Escherichia coli, Candida albicans, Enterobacteriaceae, S. aureus, B. cereus, Salmonella, C.pefringens, L. Monocytogenes, V. parahaemolyticus,E.0157, Campylobacter, P. aeruginosa, Enterococci, Legionella).

4. FIRST-AID MEASURES

First Aid Measures

- General Advice** Provide this SDS to medical personnel for treatment.
- Eye Contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
- Skin Contact** If skin contact occurs, immediately wash with an appropriate biocide solution.
- Inhalation** Remove to fresh air. Seek medical advice.
- Ingestion** Call a physician or poison control center immediately.

Most important symptoms and effects

Symptoms Not determined.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Not Applicable.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Immediately notify nearby personnel of the incident.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Decontaminate the spill by flooding and soaking the spilled material with a suitable disinfectant. Allow sufficient time for the biocide activity of the disinfectant. Clean the area and material using disposable towels. Materials used in cleanup should be treated as biohazard material.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Ensure adequate microbiological equipment and facilities to receive, process, maintain, store, and dispose of biohazard material. Proper techniques must be employed to avoid exposure and contact with microorganism growth. The microbiology laboratory personnel using these devices must be trained, experienced, and demonstrate proficiency in processing, maintaining, storing, and disposing of biohazard material. It is recommended that all microbial cultures be handled by qualified microbiologists and to use appropriate safety procedures and precautions when handling these specimens. Caution should be used to prevent the generation of aerosols during the preparation of suspensions.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store samples in their original sealed packaging according to temperature specifications on labeling.

Incompatible Materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines No exposure limits noted for ingredient(s)

Appropriate engineering controls

Engineering Controls Biological Safety Cabinet.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses.

Skin and Body Protection Wear suitable gloves. Protective work clothing (lab coat).

Respiratory Protection Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations Keep away from food, drink and animal feeding stuffs. Immediately remove all soiled and contaminated clothing. Wash hands thoroughly after handling. Avoid contact with skin, eyes or clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Dry material		
Appearance	Glass vial containing dry material	Odor	Odorless
Color	According to product specification	Odor Threshold	Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not determined	
Flash Point	Not determined	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapour Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	Not determined	
Water Solubility	Soluble in water	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Product is not self-igniting	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not an explosive	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

None known based on information supplied.

Hazardous Decomposition Products

No decomposition if used according to specifications.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	Avoid contact with eyes.
Skin Contact	Not expected to be a skin irritant during prescribed use.
Inhalation	Avoid the production of aerosols.
Ingestion	Avoid hand to mouth contact.

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Carcinogenic potential is unknown.

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

The ecological effects have not been thoroughly investigated, but currently none have been identified.

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes	The lyophilized microorganisms and subsequent growth of these microorganisms on culture media are considered to be biohazard material. Governmental Agencies regulate the disposal of all biohazard materials. Each laboratory must be aware of and comply with the proper disposal of biohazard materials.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

ID No	UN3373
Proper Shipping Name	Biological substance, Category B
Hazard Class	6.2

16. OTHER INFORMATION

Health Hazards Not determined	Flammability Not determined Flammability Not determined	Instability Not determined Physical Hazards Not determined	Special Hazards Not determined Personal Protection Not determined
-----------------------------------------	-----------------------------------------------------------------------------	---------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------

Disclaimer

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet