



**PhytoTechnology  
Laboratories®**

# SAFETY DATA SHEET

## 1. CHEMICAL IDENTIFICATION AND COMPANY INFORMATION

PRODUCT NAME: *Phytotech Spathiphyllum* Medium  
PRODUCT NUMBER: P6647  
COMPANY INFO: *PhytoTechnology Laboratories®*  
PO Box 12205, Shawnee, KS 66282-2205  
Phone: 1-888-749-8682 or 1-913-341-5343; Fax: 1-888-449-8682 or 1-913-341-5442  
www.phytotechlab.com

EMERGENCY PHONE NUMBER: 1-800-535-5053 - US Only  
1-352-323-3500 - International

RECOMMENDED USE: For Research Use Only

RESTRICTIONS ON USE: Products sold by *PhytoTechnology Laboratories®* are intended for research and laboratory use only. Products are not to be used as human or animal therapeutics, cosmetics, agricultural or pesticidal products, food additives, or as household chemicals.

## 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification:

H315 - Skin irritation (Category 2)  
H319 - Eye irritation (Category 2A)

GHS Label elements, including hazard and precautionary statements:

Pictogram:



Signal Word: **Warning**

Hazard Statements:

H315 – Causes skin irritation.  
H319 – Causes serious eye irritation.  
H335 – May cause respiratory irritation.

Precautionary Statements:

P280 – Wear protective clothing/protective gloves/eye protection.  
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: N/A  
CAS No: Not Listed  
Formula: N/A  
Molecular Weight: N/A

This product is a proprietary formulation; it does not contain any components which exceed the exposure limits set by OSHA or ACGIH.

## 4. FIRST AID MEASURES

| Route of Entry | Symptoms                          | First Aid Procedures                                                                                                          |
|----------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Ingestion      | May cause irritation if swallowed | If swallowed, wash out mouth with water. Never give anything by mouth to an unconscious person. <b>Get medical attention.</b> |

|              |                                                                                     |                                                                                                                                                                                                      |
|--------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation   | May cause irritation to respiratory tract                                           | Safely remove victim to fresh air. If not breathing, institute cardiopulmonary resuscitation (CPR). If breathing is difficult, ensure clear airway and give oxygen. <b>Get medical attention.</b>    |
| Eye Contact  | Direct contact may cause irritation. May cause redness, tearing, or blurred vision. | Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. <b>Get medical attention if irritation persists.</b> |
| Skin Contact | Irritating. May cause reddening, itching or inflammation.                           | Wash area thoroughly with soap and water. Remove and wash contaminated clothing. <b>Get medical attention if irritation persists.</b>                                                                |

Most Important Symptoms or Effects, Both Acute and Delayed:

See section 2 and/or section 11

Recommendation for Immediate Medical Care and Special Treatment Needed:

No data available

### 5. FIRE FIGHTING MEASURES

|                                                               |                                                                                                                                                                     |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable Extinguishing Media:                                 | Water spray, carbon dioxide, dry chemical powder, or appropriate foam. Use extinguishing media suitable for surrounding fire.                                       |
| Special Protective Equipment and Precaution for Firefighters: | In the event of a fire, wear full protective clothing and NIOSH approved self-contained breathing apparatus. Evacuate the area and fight fire from a safe distance. |
| Hazardous Combustion Products:                                | May emit toxic fumes under fire conditions.                                                                                                                         |
| Toxic Gases Produced:                                         | Carbon monoxide, carbon dioxide, nitrogen oxides                                                                                                                    |

### 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Use personal protection recommended in Section 8. Avoid dust formation. Avoid breathing dust, vapours, mist or gas. Ensure adequate ventilation, especially in confined areas. Evacuate personnel to safe areas.

|                                    |                                                                                                                                                                                                                                                                |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environmental Precautions:         | Prevent further leakage or spillage if safe to do so. Do not let product enter drains.                                                                                                                                                                         |
| Method of Containment and Cleanup: | Wear suitable protective clothing. Avoid dust formation. Avoid breathing vapours, mist or gas. Carefully sweep up and remove. Place material in a dry container and cover. Remove from the area. Flush spill area with water. Do not let product enter drains. |

### 7. HANDLING AND STORAGE

|                                  |                                                                                                                                |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Precaution for Safe Handling:    | Avoid contact with skin and eyes. Avoid dust formation and aerosols. Avoid incompatible substances. Wash thoroughly after use. |
| Conditions for Safe Storage:     | Keep in a tightly closed container and store in a cool, dry, and well-ventilated area. Protect from moisture.                  |
| Incompatibilities:               | Strong oxidizing agent                                                                                                         |
| Recommended Storage Temperature: | 2 to 6 °C                                                                                                                      |

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

|                                            |                                                                         |
|--------------------------------------------|-------------------------------------------------------------------------|
| OSHA's Permissible Exposure Limits (PELs): | No data available                                                       |
| Threshold Limit Values (TLVs):             | No data available                                                       |
| Engineering Controls:                      | Handle in accordance to general industrial hygiene and safety practice. |
| Personal Protective Equipment (PPE):       |                                                                         |

|                         |                                                                                                                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye/Face Protection:    | Chemical safety glasses or goggles. Have eye-washing facilities readily available where eye contact can occur.                                                                                                                                                                                                      |
| Skin Protection:        | Protective gloves                                                                                                                                                                                                                                                                                                   |
| Body Protection:        | Lab coat                                                                                                                                                                                                                                                                                                            |
| Respiratory Protection: | Respiratory protection is not required.<br>Use N95 (US) or type P1 (EN 143) dust mask where dust level is nuisance.<br>A NIOSH/MSHA approved air purifying respirator is recommended where airborne concentrations are expected to exceed exposure limits. Protection provided by purifying respirators is limited. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                          |                               |                               |
|------------------------------------------|-------------------------------|-------------------------------|
| Appearance:                              | White to Cream Powder         |                               |
| pH (33.85 g/L):                          | 4.0-7.0                       |                               |
| Solubility:                              | Partially Soluble in Water    |                               |
| Melting Range:                           | No data available             |                               |
| Vapor Density:                           | No data available             |                               |
| Vapor Pressure:                          | No data available             |                               |
| Specific Gravity:                        | No data available             |                               |
| Odor:                                    | Odorless                      |                               |
| Odor Threshold:                          | No data available             |                               |
| Viscosity:                               | No data available             |                               |
| Relative Density:                        | No data available             |                               |
| Evaporation Rate:                        | No data available             |                               |
| Initial Boiling Point and Boiling Range: | No data available             |                               |
| Flammability (solid, gas):               | No data available             |                               |
| Partition coefficient: n-octanol/water): | No data available             |                               |
| Auto-ignition Temperature:               | No data available             |                               |
| Decomposition Temperature:               | No data available             |                               |
| Flash Point (Closed Cup):                | No data available             |                               |
| Flammable Limits:                        | Upper (%) – No data available | Lower (%) – No data available |

## 10. STABILITY AND REACTIVITY

|                                   |                                                      |  |
|-----------------------------------|------------------------------------------------------|--|
| Reactivity:                       | No data available                                    |  |
| Chemical Stability:               | Stable under normal conditions of use                |  |
| Possibility of Hazard Reactions:  | Will not occur                                       |  |
| Conditions to Avoid:              | Moisture, excessive heat                             |  |
| Incompatibles Materials:          | Strong oxidizing agents                              |  |
| Hazardous Decomposition Products: | Carbon monoxide, carbon dioxide, and nitrogen oxides |  |

## 11. TOXICOLOGICAL INFORMATION

|                  |                                          |                   |
|------------------|------------------------------------------|-------------------|
| Toxicity:        | LD <sub>50</sub> (Oral-Rat)(mg/Kg):      | No data available |
|                  | LD <sub>50</sub> (Oral-Mouse)(mg/Kg):    | No data available |
|                  | LD <sub>50</sub> (Dermal-Rabbit)(mg/Kg): | No data available |
| Carcinogenicity: | NTP:                                     | No                |

IARC: No

Z List: No

OSHA Reg: No

Reproductive Toxicity: No data available

Symptoms Associated with Overexposure: Irritation, sneezing, gastrointestinal upset

Specific Target Organ Toxicity: Single Exposure: No data available

Repeated Exposure: No data available

Target Organs: None identified

Medical Conditions Aggravated By Exposure: None identified

Routes of Entry: Inhalation, Ingestion, skin and eye contact

NIOSH/RTECS No: Not listed

***The toxicological properties of this product have not been thoroughly investigated***

## **12. ECOLOGICAL INFORMATION**

Ecotoxicity: No data available

Persistence and Degradability: No data available

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Other Adverse Effects: No data available

## **13. DISPOSAL CONSIDERATION**

Disposal Procedure: Dispose in accordance with all applicable federal, state, and local environmental regulations.

EPA Hazardous Waste Number: No data available

## **14. TRANSPORT INFORMATION**

Domestic (D.O.T.): Proper Shipping Name: CHEMICALS, N.O.S. (NON-REGULATED)

Hazard Class: N/A

UN/NA: N/A

Labels: N/A

International:

IMDG: Proper Shipping Name: CHEMICALS, N.O.S. (NON-REGULATED)

Hazard Class: N/A

UN/NA: N/A

Labels: N/A

IATA: Proper Shipping Name: CHEMICALS, N.O.S. (NON-REGULATED)

Hazard Class: N/A

UN/NA: N/A

Labels: N/A

## **15. REGULATORY INFORMATION**

TSCA: No

SARA TITLE III:

Section 302 (EHS) Ingredients: No

Section 313 Ingredients: No

Section 304 (EHS/CERCLA) Ingredients: No

Section 311/312 Hazard: No SARA Hazards

16. OTHER INFORMATION

|              |                      |                              |                          |                        |
|--------------|----------------------|------------------------------|--------------------------|------------------------|
| HMIS Rating: | <b>Health Hazard</b> | <b>Chronic Health Hazard</b> | <b>Flammability</b>      | <b>Physical Hazard</b> |
|              | 2                    | *                            | 0                        | 3                      |
| NFPA Rating: | <b>Health Hazard</b> | <b>Fire Hazard</b>           | <b>Reactivity Hazard</b> | <b>Special Hazard</b>  |
|              | 2                    | 0                            | 0                        |                        |

\*Chronic Hazard: Chronic (long-term) health effects may result from repeated overexposure.

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