



## Material Safety Data Sheet

**Product name:** Preforma<sup>®</sup> Plant Plug/ Preforma<sup>®</sup> Box Plug

**Revision Date:** Sept. 2010

### 1. Identification of the substance/preparation and of the company/undertaking

**Intended use :** Commercial plant propagation substrate/ plant plug

**Company Identification:**

Jiffy Products of America, Inc.  
5401 Baumhart Road – Suite B  
Lorain, OH 44053  
800-323-1047

### 2. Hazards Identification

**Ingestion:** Hazard: Avoid ingestion of the material. Non-consumable product.

**Eye Contact:** No toxicity/ hazard to damage eyes when contact

**Skin Contact:** No toxicity

**Inhalation:** Not applicable

**Precautions :** Wash hands and exposed skin before having meals and after work.

### 3. Composition/information on Ingredients

**Ingredients:**

Peat and/or Coir, Fertilizer, Lime, Polymer Binder, Water

### 4. First-aid Measures

**Ingestion:** Rinse mouth. Seek medical attention.

**Eye Contact:** Rinse eyes thoroughly with water and consult eye specialist.

**Skin contact:** Wash skin with water.

**Inhalation:** Not applicable.

### 5. Fire fighting Measures

**Extinguishing Media:** No special measures required.

**Special protective equipment for fire-fighters:** No special measures required.

**Specific Methods:** No special measures required.



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### 6. Accidental Release Measures

**Personal precautions:** No special measures required.

**Environmental precautions:** Do not flush into surface water or sanitary sewer system.

**Methods for cleaning up:** Sweep up and dispose according section 13.

### 7. Handling and Storage

Store in original packaging away from direct sunlight and frost. Ideal conditions of less than 50°F and darkness will prolong the product life before use.

Keeping the plant plugs longer than the recommended storage times could lead to a change in the nutrient condition or pH of the substrate.

No additional hazards applicable due to storage outside of these recommendations. Fresh, wet plant plugs starts decomposing in closed packaging. Any vapor formed inside pallets could be formed and will be released when package is opened. Avoid breathing that vapor.

No specific handling requirements / precautions.

### 8. Exposure Controls / Personal Protection

**Engineering measures to reduce exposure:** No special measures required.

**Personal protection equipment:** No special precautions necessary.

**Respiratory protection:** No special precautions necessary.

**Eye protection:** No special precautions necessary.

### 9. Physical and Chemical Properties

**EC:** <0.1-1.5

**pH:** 4.0-6.5

For the specific data we refer to the datasheets per product.



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### 10. Stability and Reactivity

**Stability (normal conditions):** Stable under normal conditions.

**Conditions to avoid** None.

**Incompatible with:** None known.

#### **Hazardous decomposition products:**

Tests were performed in accordance with the CEN norm EN 13432, with the purpose to study whether composting of Preforma plant plugs leaves any residuals, such as metabolites, non-degraded components and inorganic components that exert a negative effect on the environment.

Potential effects were studied on the germination and plant growth of summer barley plants. The products passed the test, with the conclusion:

**The Preforma plant plug/ Box Plug compost easily fulfilled the criteria.**

Potential effects were studied on the germination and plant growth of cress. The products passed the test, with the conclusion:

**The Preforma plant plug/ Box Plug compost easily fulfilled the criteria.**

### 11. Toxicological Information

**Acute toxicity:** No acute toxicity known.

#### **Primary Irritant effect**

**On the skin:** No irritating effects known.

**On the eye:** No irritating effects known.

### 12. Ecological Information

Preforma plant plug material was evaluated for disintegration in a pilot-scale aerobic composting test, in accordance with the requirements mentioned in EN 13432 and ASTM D6400-04.

Conclusion: **The plant plugs disintegrate completely in a pilot-scale composting of 12 weeks.**

### 13. Disposal Considerations

**Surplus / used product:** can be composted / disposed of without special requirements.

**Packaging waste :** dispose of via registered waste contractor or re-cycle components where applicable.



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### 14. Transport Information

Not classified for transport.

### 15. Regulatory Information

Classification: Not classified, no markings required.

### 16. Other Information

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.