

# MATERIAL SAFETY DATA SHEET

## 1. COMPANY AND PRODUCT

**Product Name:** GreenStake™ (biodegradable stake)

**Manufacturer:** **USA / CANADA**

GreenStake (operating as VivaGreen), 1 Choctaw Ridge Road, Branchburg, NJ 08876  
Tel: 877 205 2400 E-mail: office@vivagreengroup.com

**INTERNATIONAL**

GreenStake® (operating as VivaGreen), DMG House, Deansgrange Business Park, Co. Dublin, Ireland Tel: +353 1 43 66 314 E-mail: office@vivagreengroup.com

United Kingdom(UK) ☎: 020 71972317

## 2. COMPOSITION

**CAS#**

N/A

**INGREDIENTS**

plant based material derived  
from starch from wheat and potato  
+ biodegradable pigments.

**LISTED AS CARCINOGEN**

No

## 3. HAZARDS IDENTIFICATION

**INGESTION:** No evidence of harmful effects, if large amount swallowed consult a physician.  
**SKIN CONTACT:** No evidence of harmful effects.  
**EYE CONTACT:** No evidence of harmful effects.  
**SKIN ABSORPTION:** No evidence of harmful effects.  
**INHALATION:** No evidence of harmful effects.

## 4. FIRST AID MEASURES

**No special emergency measures are necessary for the normal use of the product.**

**INGESTION:** Remove residuals from mouth. If large amounts have been swallowed, consult a physician.  
**EYE CONTACT:** Flush eyes with clean water for several minutes.  
**SKIN CONTACT:** Wash with soap and water to remove residuals.  
**INHALATION:** Remove from exposure.

## 5. FIRE AND EXPLOSION HAZARD

**EXTINGUISHING MEDIA:** Water Spray, CO<sub>2</sub>, Dry Powder, Foam,.  
**PROTECTION EQUIPMENT:** Fire fighters should protect themselves from carbon monoxide combustion products.  
**UNUSUAL FIRE HAZARDS:** none.  
**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide.  
**EXPLOSION HAZARD:** GreenStakes™ are not an explosion hazard.  
**AUTOIGNITION TEMPERATURE:** 370-390°C.  
**HEAT OF COMBUSTION:** 5400-6000 Kcal/Kg.

**6. ACCIDENTAL RELEASE MEASURES**

**ACTIONS:** Use normal good housekeeping procedures. Sweep up to avoid tripping hazard.

**7. SAFE HANDLING AND USE**

Use customary personal hygiene measures such as washing hands after working with GreenStakes™. Use safety glasses, gloves and protective clothing when handling or using GreenStakes™.

**8. STORAGE**

**STORAGE:** Store in a dry place.

**9. SAFE HANDLING AND USE**

<b>PHYSICAL STATE:</b>	Solid.	<b>COLOR:</b>	Green.
<b>ODOR:</b>	Mild.	<b>BOILING POINT:</b>	Not applicable.
<b>MELTING POINT:</b>	Not applicable.	<b>DENSITY (H<sub>2</sub>O=1):</b>	1.33

**10. STABILITY AND REACTIVITY**

<b>STABILITY:</b>	Stable under normal storage conditions.
<b>MATERIALS TO AVOID:</b>	Oxidising or reducing agents.
<b>HAZARDOUS POLYMERIZATION OCCURS:</b>	No.
<b>CONDITIONS TO AVOID IF UNSTABLE:</b>	Not applicable.
<b>CONDITIONS TO AVOID IF POLYMERIZATION CAN OCCUR:</b>	Not applicable.

**11. TOXICOLOGICAL INFORMATION**

<b>ACUTE TOXICITY:</b>	The product is not acutely toxic. No health effects are expected from normal use.
<b>EFFECTS OF OCCUPATIONAL OVEREXPOSURE:</b>	None.

**12. ECOLOGICAL INFORMATION**

The product is fully biodegradable. The biodegradation process is affected by temperature, humidity, pH and substratum activity.

**13. DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local, state and federal regulations.

**14. TRANSPORT CONSIDERATIONS**

<b>SEA TRANSPORT:</b>	Materials not subjected to restrictions.
<b>AIR TRANSPORT:</b>	Materials not subjected to restrictions.
<b>LAND TRANSPORT:</b>	Materials not subjected to restrictions.

**15. REGULATORY INFORMATION**

<b>LABELLING:</b>	Product not subject to labelling.
<b>SAFETY PHRASES:</b>	None.

**Disclaimer:**

The opinions expressed herein are those of experts in GreenStake. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of these opinions and of this information and the conditions of use of the product are not under the control or supervision of GreenStake, it is the user's obligation to determine the conditions of safe use of the product.