

# MATERIAL SAFETY DATA SHEET

## (MSDS)

US Department of Labor  
Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved (Revised by CGP)  
OBM No. 1218-0072

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**PRODUCT IDENTITY:**

*Biodegradable Starch Loosefill  
Packaging Material*

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**I. MANUFACTURING COMPANY:**

Clean Green Packing Company  
720 Florida Avenue South  
Golden Valley, Minnesota 55426

Emergency Telephone:  
Date Prepared:

763-545-5400  
September 9<sup>th</sup>, 2008

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**II. HAZARD COMPONENTS:**

None: Non-Hazardous Components Only

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**III. PHYSICAL CHARACTERISTICS:**

Product will Dissolve in Water  
Product is Rod Shaped: 1.25" L x 0.65" D  
Product is White or Green in Color

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**IV. FIRE & EXPLOSION HAZARD:**

Flash Point: 364° - 369°  
Explosion Hazard: N/A  
Avoid Sparks or Open Flame  
Extinguish with H<sub>2</sub>O, CO<sub>2</sub>, or Foam

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**V. REACTIVITY DATA:**

Normally Stable

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**VI. HEALTH HAZARD DATA:**

Product Dust is Considered a Nuisance  
Particulate  
No Specific Hazards are Known  
Product is Not Meant for Human  
Consumption  
Flush Eyes if Irritated

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**VII. SAFE USE PRECAUTIONS:**

Recycle, Compost, or General Waste Disposal  
Dispose in Accordance with Local, State, and  
Federal Regulations

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**VIII. CONTROL MEASURES:**

None Required

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This MSDS may be used to comply with OSHA's Hazard Communications Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements. OSHA '74 Section 1985

# Material Safety Data Sheet

## 1 - Chemical Product Information:

Product Name - Clean Green Packing Peanuts  
Common Name - Biodegradable Starch Loosefill Packaging

StarchTech, Inc.  
720 Florida Avenue S.  
Minneapolis, MN 55426  
763-545-5400

## 2 - Composition/Information on Ingredients:

Chemical Name - Carbohydrate & Polymers  
Starch from Corn or Potato  
Non-Hazardous

## 3 - Hazard Identification:

Eye - Particles may cause mechanical irritation  
Skin Contact - Low order of toxicity  
Inhalation - Low order of toxicity  
Ingestion - No hazard in normal industrial use

## 4 - First-Aid Measures:

Eye - Flush eyes with large amounts of water until irritation stops  
Skin Contact - Wash with soap and water  
Inhalation - Remove to fresh air  
Ingestion - N/A

## 5 - Firefighting Measures:

Autoignition - N/A  
Flash Point - 364° – 369°  
Extinguishing Media - Dry chemical; CO<sub>2</sub>; Water fog; Foam  
Special Procedures - None Required  
Fire & Explosion Hazards - N/A  
Upper Explosion Limit - N/A  
Lower Explosion Limit - N/A  
NFPA Flammability Hazard Class - 0 = Insignificant

## 6 - Accidental Release Measures:

Spill and Leak Procedures - Sweep or scoop up and remove

7 - Handling and Storage:

Storage Temperature	-	Ambient
Handling/Storage	-	Sweep or vacuum up and place in container for disposal
Ventilation	-	General

8 - Exposure controls/Personal Protection

Ventilation	-	General
Eye Protection	-	Safety glasses optional
Gloves	-	Gloves for hot resin
Clothing	-	N/A
Wash	-	Wash with soap and water
Respirator	-	None

9 - Physical and Chemical Properties:

Pure Substance or Mixture	-	Mixture
Physical Form	-	Solid
Appearance/Odor	-	Tubular Expanded Foam with cereal odor
Odor Threshold	-	N/A
Molecular Weight	-	>10,000
pH as is	-	N/A
pH in 1% Solution	-	5.8 +/- 0.6
Boiling Point	-	N/A
Melting/ Freezing Point	-	N/A
Solubility in Water	-	Low
Partition Coefficient	-	N/A
Specific Gravity	-	0.48 +/- 0.02 gm/cc
Evaporation Rate	-	N/A
Vapor Pressure (mm Hg)	-	N/A
Vapor Density	-	N/A
Volatiles	-	None
Volatile Organic Compounds	-	N/A
Autoignition	-	N/A
Flash Point	-	N/A
Oxidizing Properties	-	N/A

10 - Stability and Reactivity:

Stability	-	Stable
Materials to Avoid	-	None
NFPA Reactivity Hazard Class	-	0 = Insignificant
Hazardous Decomposition Products	-	This product does not undergo spontaneous decomposition. Typical combustion products are CO, CO2, C, H2O

11 - Toxicological Information:

Product Toxicology:

Oral Toxicity	-	Low order of toxicity
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Dermal Toxicity	-	Non-hazardous
Inhalation Toxicity	-	Non-hazardous
Eye Irritation	-	Non-hazardous

Chronic (Long-Term) Effects of Exposure

Route of Entry	-	Eye, skin, inhalation, ingestion
Effects of chronic exposure	-	None
Target Organs	-	N/A
Special Health Effects	-	None known

12 - Ecological Information

Degradability	-	Degradable in compost or exposure to water
Incineratability	-	Incineratable
Toxic Volatiles	-	None present with complete combustion

13 - Disposal Considerations:

Waste Disposal Methods	-	In accordance with existing federal, state, and local environmental regulations
Empty Container Warnings	-	Empty container may contain product residue; follow MSDS and label warnings even after they have been emptied.

14 - Transportation Information

DOT Information	-	N/A
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15 - Regulatory Information

CAS Registry No.	-	N/A
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16 - Other Information

MSDS Date	-	9/9/08
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