

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

PRODUCT IDENTITY:

*Starch Resin for Biodegradable
Loosefill Packaging*

I. MANUFACTURING COMPANY:

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

Emergency Telephone:
Date Prepared:

763-545-5400
October 21, 2008

II. HAZARD COMPONENTS:

None: Non-Hazardous Components Only

III. PHYSICAL CHARACTERISTICS:

Product will Dissolve Slowly in Water
Product is Pellet Shaped: 0.125" L x 0.125" D
Product is White or Green in Color

IV. FIRE & EXPLOSION HAZARD:

Flash Point: 326° - 335°
Explosion Hazard: N/A
Avoid Sparks or Open Flame
Extinguish with H₂O, CO₂, or Foam

V. REACTIVITY DATA:

Normally Stable

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

VII. SAFE USE PRECAUTIONS:

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

VIII. CONTROL MEASURES:

None Required

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 - Re-New 400
Common Name - Starch Resin for 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 - 326° – 335°
Extinguishing Media - Dry chemical; CO2; 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	-	Resin Pellet 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	-	1.18 +/- 0.03 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
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 extended 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	-	10/21/08
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