

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 - N/A
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, CO ₂ , C, H ₂ O

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
Incinerability	-	Incinerable
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	-	5/2/03
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