

MATERIAL SAFETY DATA SHEET

Date Prepared	Revision	Prepared By
19JAN2005	ORIGINAL	JHH

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name:	S100 Tissue Simulant
Company Synonyms:	Hand Tissue Simulant
CAS Number:	None
Manufacturer:	The Howland Company, Inc. 4540 Atwater Court, Suite 107 Buford GA 30518 www.thehowlandcompany.com
Emergency Telephone Number:	404-455-3850
Telephone Number for Information:	678-546-5680

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS	CAS	% COMP	OSHA PEL	ACGIH TLV
High Fructose Corn Syrup	---	APPROX. 92.4	---	---
Water	007732-18-5	APPROX. 7.5	---	---
Dowicil 75	051229-78-8	0.1	---	---

SECTION 3 - HAZARDS IDENTIFICATION

Routes of Entry:	Eyes:	Yes
	Ingestion:	Yes
	Inhalation:	Yes
	Skin:	Yes
Health Hazards - Acute:	Eyes:	None
	Ingestion:	None
	Inhalation:	None
	Skin:	None
Health Hazards - Chronic:	None	
Signs and Symptoms of Exposure:	None	
Medical Conditions Generally Aggravated by Exposure:	None	
Effects of Overexposure:	None	

SECTION 4 - FIRST AID MEASURES

First Aid and Emergency Procedures:	Eyes:	Flush with water
	Ingestion:	None
	Inhalation:	Treat symptomatically if breathing is not normal
	Skin:	Wash with water

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point (Method Used):	N/A (N/A = Not Applicable)	
Flammable Limits:	Upper Explosive Limit:	N/A
	Lower Explosive Limit:	N/A
Extinguishing Media:	Water, foam, or carbon dioxide	
Special Fire Fighting Procedures:	N/A	
Unusual Fire and Explosion Hazards:	N/A	
NFPA Hazard Code: (4=extreme/severe; 3=high/serious; 2=moderate; 1=slight; 0=minimum)	Health:	0
	Flammability:	0
	Reactivity:	0

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures:	Wash with warm water and sweep up or shovel into DOT approved containers. Follow all state and local requirements for non-hazardous waste disposal.
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SECTION 7 - HANDLING AND STORAGE

Handling and Storage Requirements:	Keep containers tightly sealed to limit exposure to air. Avoid storage temperatures above 90 °F for prolonged periods or discoloration and/or caramelization may occur.
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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection:	N/A	
Ventilation:	Local:	N/A
	Mechanical:	N/A
	Special:	N/A
	Other:	N/A
Protective Gloves:	N/A	
Eye Protection:	N/A	
Other Protective Clothing or Equipment:	N/A	
Work/Hygienic Practices:	Follow good laboratory housekeeping procedures.	

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance and Odor:	Clear, colorless to slight amber colored liquid. Odorless.
Boiling Point:	220 °F
Evaporation Rate (Butyl Acetate = 1):	N/A
Melting Point:	N/A
Specific Gravity (Water = 1):	1.32
Solubility in Water:	100% soluble
Vapor Density (Air = 1):	N/A
Vapor Pressure (mmHg):	N/A

SECTION 10 - STABILITY & REACTIVITY

Stability:	Stable
Conditions to Avoid:	N/A
Incompatibility (Materials to Avoid):	Not reactive
Hazardous Decomposition or Byproducts:	None
Hazardous Polymerization:	Will not occur

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicity Hazard Rating:	Not currently listed under SARA Title
OSHA Hazardous/Non-hazardous:	Non-hazardous

SECTION 12 - ECOLOGICAL INFORMATION

Material is not known to cause significant adverse environmental impact.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Methods:	Mix with water and dispose to sanitary sewers or solid disposal dump. Comply with all applicable local, state and federal regulations for waste disposal.
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SECTION 14 - TRANSPORT INFORMATION

DOT:	Not restricted
IATA:	Not restricted
HMIS Labeling:	Exempt

SECTION 15 - REGULATORY INFORMATION

SARA Title III Classification:	Not currently listed as toxic chemical under 40 CFR Section 372.65.
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SECTION 16 - OTHER INFORMATION

N/A

For more information contact:

Jim Howland, Technical Staff
The Howland Company, Inc.
4540 Atwater Court, Suite 107
Buford, Georgia 30518

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