SAFETY DATA SHEET

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:...........WEST SYSTEM® 713 Episize™ Unidirectional Glass Tape, WEST SYSTEM 729 Episize™ Glass

Tape, WEST SYSTEM 731 Episize™ Glass Tape, WEST SYSTEM 732 Episize™ Glass Tape

and WEST SYSTEM 733 Episize™ Glass Tape. **APPLICABLE PRODUCT CODES:**713-50, 729, 729-10, 731, 732, 732-10 and 733

PRODUCT RESTRICTIONS:None identified.

SDS VERSION:713, 729, 731, 732 and 733-2019a

HAZARDS IDENTIFICATION

Classification of Substance or Mixture

Hazards Not Otherwise Classified (HNOC)

Label Elements

Hazard Pictogram(s):

No data available

Signal Word:

WARNING

Hazard Statements:

No data available

Precautionary Statements:

No data available

Other Hazards:

As supplied, the glass fibers in this product are non-respirable. Continuous filament glass fibers that are chopped, crushed, sanded or otherwise mechanically processed may contain very small amounts of respirable particulate, some of which may be in the form of glass shards. Glass fragments or shards may cause temporary mechanical eye, skin and respiratory irritation and itching.

COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

INGREDIENT NAME	CAS#	CONCENTRATION (%)
Continuous filament, non-respirable, glass fiber	65997-17-3	80-100
Sizing	Trade Secret	1-5

The exact chemical identity and/or exact percentage (concentration) of each ingredient may be held as confidential business information (CBI). Any ingredient not disclosed in this section may have been determined not to be hazardous to health or the environment, or it may be present at a level below its disclosure threshold.

FIRST AID MEASURES

	SYMPTOMS: May cause mechanical irritation and redness. RESPONSE: lenses if present and easy to do. Consult a physician as precautionary
FIRST AID FOR SKINmechanical irritation. RESPONSE: Remove contaminated clothing. W	
FIRST AID FOR INHALATIONrespiratory irritation occurs. Consult a physician if irritation or cough de	SYMPTOMS: Irritation and cough. RESPONSE: Remove to fresh air if evelops and persists.
	SYMPTOMS: Not a likely route of exposure. No acute adverse health se. RESPONSE: Seek medical attention if a significant amount is ingested.

FIRE FIGHTING MEASURES			
EXTINGUISHING MEDIA: SUITABLE: None known.	SUITABLE: Foam,	carbon dioxide (CO ₂), water, dry chemical. NON-	
FIRE AND EXPLOSION HAZARDS:			
SPECIAL FIRE FIGHTING PROCEDURES:			
ACCIDENTAL RELEASE MEASURES			
EMERGENCY PROCEDURES: appropriate safety and personal protective equipment as indicated in S	Keep unnecessary Section 8.	and unprotected personnel from entering area. Use	
MITIGATION AND CLEAN UP PROCEDURES:or vacuum in a manner as to avoid generating additional airborne dust		ff air movement. Material will settle out of the air. Swee	
ENVIRONMENTAL PRECAUTIONS:	No data available. dwater. See Sectior	Not generally regarded as hazardous to the environmental impact information.	
HANDLING AND STORAGE			
STORAGE TEMPERATURE (min./max.):	Store at or below 2	25°C (77°F)	
STORAGE: generation. Store in environment with less than 65% relative humidity			
HANDLING PRECAUTIONS: filament glass fibers that are chopped, crushed, sanded or otherwise in particulate, some of which may be in the form of glass shards. Avoid g thoroughly after handling. Launder contaminated clothing before reuse.	nechanically proces enerating excessive	ssed may contain very small amounts of respirable e airborne dust. Avoid skin and eye contact. Wash	
EXPOSURE CONTROLS/PERSONAL PROTECTION			
ENGINEERING CONTROLS: exposures below established limits.	Use with adequat	te general ventilation and/or local ventilation to keep	
EYE PROTECTION GUIDELINES:	Safety glasses with	h side shields or chemical splash goggles.	
SKIN PROTECTION GUIDELINES: wearing a light-weight, full body-covering protective clothing that can be			
RESPIRATORY PROTECTION GUIDELINES:	nechanically proces ventilation cannot b particulate filter eff ction of respirator a	ssed may contain very small amounts of respirable be made adequate enough to keep exposures below ficiency or better, depending on specific workplace and cartridge based on ingredients listed in Section 3 ar	
ADDITIONAL PROTECTIVE MEASURES: and eye contact. Wash exposed skin areas thoroughly after handling.	Practice good caut	tion and personal cleanliness to avoid inhalation and sl	
OCCUPATIONAL EXPOSURE LIMITS: established exposure limits of specific ingredients in this product, or ot			
	CAS#	Exposure Limit Information	
Ingredient Name			
Ingredient Name Continuous filament, non-respirable, glass fiber	65997-17-3	ACGIH – TLV TWA: 1 f/cc; 10 mg/m3 (total); 3 mg/m (respirable) OSHA – PEL TWA: 15 mg/m3 (total); 5 mg/m3 (respirable)	
		(respirable) OSHA – PEL TWA: 15 mg/m3 (total); 5 mg/m3	
Continuous filament, non-respirable, glass fiber	65997-17-3	(respirable) OSHA – PEL TWA: 15 mg/m3 (total); 5 mg/m3 (respirable)	
Continuous filament, non-respirable, glass fiber Sizing PHYSICAL AND CHEMICAL PROPERTIES	65997-17-3 Trade Secret	(respirable) OSHA – PEL TWA: 15 mg/m3 (total); 5 mg/m3 (respirable) No data available.	
Continuous filament, non-respirable, glass fiber Sizing	65997-17-3 Trade Secret Woven glass fabric	(respirable) OSHA – PEL TWA: 15 mg/m3 (total); 5 mg/m3 (respirable) No data available.	
Continuous filament, non-respirable, glass fiber Sizing PHYSICAL AND CHEMICAL PROPERTIES PHYSICAL FORM:	65997-17-3 Trade Secret Woven glass fabric White to off-white. No odor.	OSHA – PÉL TWA: 15 mg/m3 (total); 5 mg/m3 (respirable) No data available.	

BOILING POINT (760mm/Hg):	lable.
FLASH POINT: No data availa	
	عاطوا
AUTO IGNITION TEMPERATURE No data availa	iabic.
LOWER EXPLOSIVE LIMIT (LEL)	lable.
UPPER EXPLOSIVE LIMIT (UEL) No data availa	lable.
VAPOR PRESSURE	lable.
SPECIFIC GRAVITY/DENSITY (water = 1) No data availa	lable.
BULK DENSITY No data availa	lable.
VAPOR DENSITY (air = 1)	lable.
EVAPORATIOIN RATE (Butyl Acetate = 1)	lable.
WATER SOLUBILITY (% BY WT.)	lable.
PARTITION COEFFICIENT, n-OCTANOL/WATER (log Pow) No data availa	lable.
KINEMATIC VISCOSITY: No data availa	lable.
DECOMPOSITION TEMPERATURE: No data availa	lable.
% VOLATILE BY WEIGHT: No data availa	lable.

10. STABILITY AND REACTIVITY

STABILITY: Product is stable at normal temperatures and pressures.

REACTIVITY/HAZARDOUS REACTIONS: No data available.

INCOMPATIBILITIES: No data available.

CONDITIONS TO AVOID: Avoid excessive heat.

DECOMPOSITION PRODUCTS: During a fire, smoke may contain carbon monoxide, carbon dioxide, and small amounts of other combustion products of undetermined composition and toxicity.

11. TOXICOLOGICAL AND HAZARD ENDPOINT INFORMATION

Component Name	CAS#	LD ₅₀ Oral	LD ₅₀ Dermal	LC ₅₀ Inhalation
Continuous filament, non-respirable, glass fiber	65997-17-3	No data available	No data available	No data available
Sizing	Trade Secret	No data available	No data available	No data available

ACUTE TOXICITY:	No specific toxicity data exists for this mixture. Classification is
based on acute toxicity estimation methods using ingredient data.	
	Not classified. Based on available data does not meet acute oral
toxicity criteria.	Not classified. Based on available data does not meet acute
dermal toxicity criteria.	Not classified. Dased off available data does not meet acute
	Not classified. Based on available data does not meet acute inhalation
toxicity criteria.	
SKIN COPPOSION / IPPITATION:	Not classified. Based on available data does not meet classification criteria.
SKIN CORROSION/ IRRITATION	Not classified. Dased off available data does flot fleet classification criteria.
SERIOUS EYE DAMAGE / IRRITATION:	Not classified. Based on available data does not meet classification criteria.
RESPIRATORY SENSITIZATION:	Not classified. Based on available data does not meet classification criteria.
SKIN SENSITIZATION:	Not classified. Based on available data does not meet classification criteria.
REPRODUCTIVE TOXICITY:	Not classified. Based on available data does not meet classification criteria.
MUTAGENICITY:	Not classified. Based on available data does not meet classification criteria.
CARCINOGENICITY	Not classified. Based on available data does not meet classification criteria.
CARCINOGENICIT	Not classified. Dased on available data does not meet classification criteria.

IARC Class 3 – Not classifiable as to its carcinogenicity to humans.

Animal Study: In 2000, the Institute of Occupational Medicine (IOM) in Scotland published the results of a long term inhalation study on animals exposed to fibers that were manufactured to be RESIRABLE. Animals were exposed to a very high concentration to these RESPIRABLE fibers (1022 fibers/cc for 5 hours/day, 7 days/week for 52 weeks). Exposure to these microfibers resulted in the development of fibrosis, lung cancer and mesothelioma as a result of the fibers being able to reach the lower regions of the lung.

Epidemiology Studies: Two major studies in the US (performed by the University of Pittsburgh) and Europe (performed by the International Agency for Research on Cancer) showed no increase in lung cancer or respiratory disease among people working in production facilities producing NON-RESPIRABLE continuous filament fiberglass. An additional smaller study performed in Canada also did not show an association between exposure of workers to fiberglass and respiratory cancer.

 ASPIRATION HAZARD: Not classified. Based on available data does not meet classification criteria.

Continuous filament glass fibers that are chopped, crushed, sanded or otherwise mechanically processed may contain very small amounts of respirable particulate, some of which may be in the form of glass shards. The measured airborne concentration in areas where mechanical processing occurs has been shown to be extremely low and typically well below applicable exposure limits.

There are no known long term health effects from long term use or contact with non-respirable continuous filament fibers as supplied in this product. Non-respirable fibers cannot reach the deep lung because they have diameters greater 3.5 micrometers. Fibers of this dimension cannot penetrate the lower regions of the lung and thus having no possibility of serious pulmonary damage. Instead, they deposit on the surfaces of the upper respiratory tract, nose and pharynx. These fibers are then cleared through normal physiological mechanisms.

12. ECOLOGICAL INFORMATION

Estimate: Does not meet acute aquatic toxicity requirements based on available data. Estimate: Does not meet chronic aquatic toxicity requirements based on available data. the aquatic environment. Prevent release to the environment, sewers and natural waters.

Ingredient	CAS#	Ecotoxicity Classification Information
Continuous filament, non-respirable, glass fiber	65997-17-3	No data available
Sizing	Trade Secret	No data available

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Evaluation of this product using RCRA criteria shows that it is not a hazardous waste, either by listing or characteristics, in its purchased form. It is the responsibility of the user to determine proper disposal methods.

Recycle, reclamation or landfilling may be preferred methods when conducted in accordance with federal, state and local regulations.

14. TRANSPORTATION INFORMATION

US DOT UN NUMBER: SHIPPING NAME: TECHNICAL SHIPPING NAME: HAZARD CLASS: PACKING GROUP:	. Not applicable.. Not applicable.. Not applicable.
CANADA TDG UN NUMBER: SHIPPING NAME: TECHNICAL SHIPPING NAME: HAZARD CLASS: PACKING GROUP:	. Not applicable.. Not applicable.. Not applicable.
ICAO/IATA UN NUMBER: SHIPPING NAME: TECHNICAL SHIPPING NAME: HAZARD CLASS: PACKING GROUP: MARINE POLLUTANT:	. Not applicable.. Not applicable.. Not applicable.. Not applicable.
IMDG UN NUMBER: SHIPPING NAME: TECHNICAL SHIPPING NAME: HAZARD CLASS: PACKING GROUP:	. Not applicable.. Not applicable.. Not applicable.

EmS Number: Not applicable.

MARINE POLLUTANT Not applicable.

15. REGULATORY INFORMATION

COUNTRY	INVENTORY LIST	STATUS
United States	TSCA	All ingredients are listed or otherwise compliant.
Europe	EINECS or ELINCS	All ingredients are listed or otherwise compliant.
Canada	CEPA (DSL/NDSL)	All ingredients are listed or otherwise compliant.
Australia	AICS	All ingredients are listed or otherwise compliant.
Japan	ENCS	All ingredients are listed or otherwise compliant.
South Korea	KECI	All ingredients are listed or otherwise compliant.
China	IECSC	All ingredients are listed or otherwise compliant.
Philippines	PICCS	All ingredients are listed or otherwise compliant.
New Zealand	NZIoC	All ingredients are listed or otherwise compliant.

US EPA SARA TITLE III Reporting and Notification Requirements:

Subject to Section 302 (TPQ)	No data available.
Subject to Section 304 (RQ)	No data available.

STATE REGULATORY INFORMATION:

Chemicals listed below may be specifically regulated by individual states. For details on state regulatory requirements you should contact the appropriate state agency.

COMPONENT NAME /CAS NUMBER

No data available.

STATE CODE

16. OTHER INFORMATION

REASON FOR ISSUE:	Updates to sections 3, 8, 11 7 15.
PREPARED BY:	Gougeon Brothers. Inc.
TITLE:	Health. Safety & Environmental Manager
APPROVAL DATE:	
SUPERSEDES DATE:	
SDS VERSION:	

OTHER HAZARD INFORMATION AND RATING SYSTEMS:

HMIS® RATING

HEALTH:	1
FLAMMABILITY:	0
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	

NFPA® 704 CODES



Approximate HMIS and NFPA Risk Ratings Legend:
0 = Low or None; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe

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