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 733-2015a

MANUFACTURER:

Gougeon Brothers, Inc. 100 Patterson Ave. Bay City, MI 48706, U.S.A.

Phone: 866-937-8797 or 989-684-7286

www.westsystem.com

EMERGENCY TELEPHONE NUMBERS (24 HRS):

Transportation

CHEMTREC:......800-424-9300 (U.S.) 703-527-3887 (International)

Non-transportation

Poison Hotline: 800-222-1222

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	95-100
Sizing	Trade Secret	0.1-5

The exact chemical identity and/or exact percentage (concentration) of each ingredient has been held as a trade secret.

FIRST AID MEASURES

Flush immediately with water for at least 15 minutes. Remove contact lenses if present and easy to do. Consult a physician as precautionary measure if irritation persists. mechanical irritation. RESPONSE: Remove contaminated clothing. Wash, lather skin with soap and rinse with warm, flowing water. respiratory irritation occurs. Consult a physician if irritation or cough develops and persists.

effects expected from amounts ingested under normal conditions of use. RESPONSE: Seek medical attention if a significant amount is ingested.

FIRE FIGHTING MEASURES

Last Revised: 01JUN15

	EXTINGUISHING MEDIA:	SUITABLE: Foam,	carbon dioxide (CO ₂), water, dry chemical. NON-		
	FIRE AND EXPLOSION HAZARDS: Fiberglass itself will not support combustion. Sizing and stitching may be combustible. During a fire, smoke may contain carbon monoxide, carbon dioxide, hydrogen, and small amounts of other combustion products of undetermined composition and toxicity.				
	SPECIAL FIRE FIGHTING PROCEDURES: protective equipment.	Wear a self-contair	ned breathing apparatus and complete full-body personal		
6.	ACCIDENTAL RELEASE MEASURES				
	PERSONAL PRECAUTIONS AND PROTECTIVE EQUIPMENT: appropriate safety and personal protective equipment as indicated in S		and unprotected personnel from entering area. Use		
	MITIGATION AND CLEAN UP PROCEDURES:or vacuum in a manner as to avoid generating additional airborne dust		f air movement. Material will settle out of the air. Sweep		
	ENVIRONMENTAL PRECAUTIONS: Prevent from entering into soil, ditches, sewers, waterways and ground				
7.	HANDLING AND STORAGE				
	STORAGE TEMPERATURE (min./max.):	Store at or below 2	5°C (77°F)		
	STORAGE:generation. Store in environment with less than 65% relative humidity				
	HANDLING PRECAUTIONS:				
8.	EXPOSURE CONTROLS/PERSONAL PROTECTION				
	EYE PROTECTION GUIDELINES:	Safety glasses with	side shields or chemical splash goggles.		
	SKIN PROTECTION GUIDELINES: wearing a light-weight, full body-covering protective clothing that can b	Wear protective glo e discarded upon c	oves and protect other exposed skin areas. Consider ontamination with glass fibers or glass shards.		
	RESPIRATORY/VENTILATION GUIDELINES:				
	and eye contact. Wash exposed skin areas thoroughly after handling.	r ractice good cauti	on and personal deaniness to avoid illinatation and skin		
	OCCUPATIONAL EXPOSURE LIMITS: Exposure limits may not be established for this product as a whole. For established exposure limits of specific ingredients in this product, or other available exposure limit information, refer to the table below.				
	Ingredient Name	CAS#	Exposure Limit Information		
	Continuous filament, non-respirable, glass fiber	65997-17-3	ACGIH – TLV TWA: 1 f/cc; 10 mg/m3 (total); 3 mg/m3 (respirable) OSHA – PEL TWA: 15 mg/m3 (total); 5 mg/m3 (respirable)		
	Sizing	Trade Secret	No data available.		
9.	PHYSICAL AND CHEMICAL PROPERTIES				
	PUNCION FORM	100	P.1		
	PHYSICAL FORM: COLOR:		; solid.		
	ODOR:				
	ODOR THRESHOLD:				
	pHMELTING POINT / FREEZING POINT				

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FLASH POINT:

No data available.

AUTO IGNITION TEMPERATURE

LOWER EXPLOSIVE LIMIT (LEL)

No data available.

UPPER EXPLOSIVE LIMIT (UEL)	No data available.
VAPOR PRESSURE	No data available.
SPECIFIC GRAVITY/DENSITY (water = 1)	No data available.
BULK DENSITY	No data available.
VAPOR DENSITY (air = 1)	No data available.
EVAPORATIOIN RATE (Butyl Acetate = 1)	No data available.
WATER SOLUBILITY (% BY WT.)	No data available.
PARTITION COEFFICIENT, n-OCTANOL/WATER (log Pow)	No data available.
KINEMATIC VISCOSITY:	No data available.
DECOMPOSITION TEMPERATURE:	No data available.
% VOLATILE BY WEIGHT:	No data available.

small amounts of other combustion products of undetermined composition and toxicity.

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

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:based on acute toxicity estimation methods using ingredient data.	No specific toxicity data exists for this mixture. Classification is
	Not classified. Based on available data does not meet acute oral
	Not classified. Based on available data does not meet acute
	Not classified. Based on available data does not meet acute inhalation
SKIN CORROSION / IRRITATION:	Not classified. Based on available data does not meet 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.

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.

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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

ACUTE AQUATIC TOXICITY:No specific test data available for the mixture. Calculated Estimate: Does not meet acute aquatic toxicity requirements based on available data.

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:	Not applicable.Not applicable.Not applicable.Not applicable.Not applicable.Not applicable.

15. REGULATORY INFORMATION

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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.
Subject to Section 311 or 312	No data available.
Subject to Section 313	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:

standard.

PREPARED BY:

APPROVED BY:

G. M. House

SDS CONTACT:

safety@gougeon.com

TITLE:

Health, Safety & Environmental Manager

APPROVAL DATE:

SUPERSEDES DATE:

February 6, 2011

SDS VERSION:

Compliant to the requirements of the US OSHA 1910.1200 HazCom 2012

HazCom 2012

G. M. House

Safety@gougeon.com

Health, Safety & Environmental Manager

June 1, 2015

SUPERSEDES DATE:

February 6, 2011

SDS VERSION:

713, 729, 731, 732 and 733-2015a

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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^{1.} These substances are known to the state of California to cause cancer or reproductive harm, or both.