

MATERIAL SAFETY DATA SHEET

West System Inc.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: WEST SYSTEM® 745 Episize™ Glass Fabric.
PRODUCT CODE: 745.
CHEMICAL FAMILY: Fibrous glass.
CHEMICAL NAME: Glass fibers with silane complex coating.
FORMULA: No information.

MANUFACTURER:
West System Inc.
102 Patterson Ave.
Bay City, MI 48706, U.S.A.
Phone: 866-937-8797 or 989-684-7286
www.westsystem.com

EMERGENCY TELEPHONE NUMBERS:
Transportation
CHEMTREC: 800-424-9300 (U.S.)
703-527-3887 (International)
Non-transportation
Poison Hotline: 800-222-1222

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS Hazard Rating: **Health - 1** **Flammability - 0** **Physical Hazards - 0**

CAUTION! Nuisance dust. Avoid inhalation of airborne fibers. Skin and eye irritant. White odorless fibers.

PRIMARY ROUTE(S) OF ENTRY:..... Inhalation, skin contact.

POTENTIAL HEALTH EFFECTS:

ACUTE INHALATION: Mechanical irritant to the upper respiratory tract.

CHRONIC INHALATION:..... No known long term health effects associated with exposure.

ACUTE SKIN CONTACT: Mechanical and physical irritant.

CHRONIC SKIN CONTACT:..... No known long term health effects associated with exposure.

EYE CONTACT:..... Mechanical and physical irritant.

INGESTION:..... May cause short term mechanical irritation and discomfort to the digestive tract.

SYMPTOMS OF OVEREXPOSURE:..... Mechanical irritation to the upper respiratory tract. Skin and eye irritation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:..... Respiratory and skin conditions, such as asthma and dermatitis.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT NAME</u>	<u>CAS#</u>	<u>CONCENTRATION (%)</u>
Fibrous glass	65997-17-3	> 98
Organofunctional silanol		< 1

4. FIRST AID MEASURES

FIRST AID FOR EYES:..... Flush with water to remove particle. If effects persist, seek medical advice.

FIRST AID FOR SKIN:..... Wash with soap and water.

FIRST AID FOR INHALATION:..... Remove to fresh air if effects occur. If effects persist, treat symptomatically. Contact a physician.

FIRST AID FOR INGESTION:..... No specific instructions.

5. FIRE FIGHTING MEASURES

FLASH POINT:..... Not applicable.

EXTINGUISHING MEDIA:..... Water, foam, carbon dioxide or dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES:..... Use a self-contained breathing apparatus in a sustained fire. No other specific information.

6. ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES:..... Sweep and scoop this material with the aid of a dust suppressant and put into a sealed container. A vacuum may be used. Perform in a manner that minimizes airborne dust.

7. HANDLING AND STORAGE

STORAGE TEMPERATURE (min./max.):..... 0°F (-17°C)/100°F (38°C)

STORAGE:..... No special precautions or recommendations.

HANDLING PRECAUTIONS:..... Handle in a manner that does not unnecessarily generate airborne fibers. Keep work area free of accumulated fibers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION GUIDELINES:..... Safety glasses with side shields or goggles, depending on the expected level of exposure.

SKIN PROTECTION GUIDELINES:..... Use protective clothing not easily penetrated by the glass fibers, such as a coated Tyvek™ suit. If this is not desired, wear loose fitting clothing. Skin irritation will primarily occur at pressure points where there is friction, such as around the neck, wrist and waste area. Do not rub or scratch these areas. Some barrier creams can be used effectively.

RESPIRATORY/VENTILATION GUIDELINES:..... Work environments should be maintained below applicable exposure levels through the use of engineering controls, such as dilution and exhaust ventilation or containment. If this is not feasible, use a NIOSH approved nuisance dust respirator.

ADDITIONAL PROTECTIVE MEASURES:..... Remove material from the skin after contact. Remove material from clothing using a vacuum (never use compressed air). Wash clothing separately from uncontaminated clothing.

OCCUPATIONAL EXPOSURE LIMITS:..... This product should be treated as a nuisance particulate or Particulate Not Otherwise Classified (PNOC). Refer to OSHA's Permissible Exposure Level (PEL) or the ACGIH Guidelines for information on specific ingredients.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM..... Fibers.
COLOR..... White.
ODOR..... Odorless.
BOILING POINT..... No data.
MELTING POINT/FREEZE POINT..... No data.
pH..... No data.
SOLUBILITY IN WATER..... Negligible.
SPECIFIC GRAVITY..... No data.
BULK DENSITY..... No data.
VAPOR PRESSURE..... Not applicable.
VAPOR DENSITY..... Not applicable.
% VOLATILE BY WEIGHT..... Zero.

10. STABILITY AND REACTIVITY

STABILITY:..... Stable.

HAZARDOUS POLYMERIZATION:..... Will not occur.

INCOMPATIBILITIES:..... None known.

DECOMPOSITION PRODUCTS:..... Thermal decomposition of glass fabric coating may cause irritating smoke and toxic fumes.

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY:

NTP..... No.
 IARC..... No.
 OSHA..... No.

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA, NTP or IARC.

The International Agency for Research on Cancer (IARC) in June 1987, categorized fiber glass continuous filament as not classifiable with respect to human carcinogenicity (Group 3). The evidence from human as well as animal studies was evaluated by IARC as insufficient to classify fiber glass continuous filament as a possible, probable, or confirmed carcinogen. Studies are continuing.

12. ECOLOGICAL INFORMATION

This material is not expected to cause harm to animals, plants or fish.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Knowledge of materials reveals that this product is not a hazardous waste in its purchased form as per RCRA criteria, either by characteristics or by listing. However, it is the responsibility of the end user to determine proper disposal methods. Landfill is the preferred disposal method for this product.

14. TRANSPORTATION INFORMATION

DOT

D.O.T. SHIPPING NAME: Not regulated by DOT.
 TECHNICAL SHIPPING NAME: Not applicable.
 D.O.T. HAZARD CLASS: Not applicable.
 U.N./N.A. NUMBER: Not applicable.
 PACKING GROUP: Not applicable.

IATA

SHIPPING NAME: Not regulated.
 TECHNICAL SHIPPING NAME: Not applicable.
 HAZARD CLASS: Not applicable.
 U.N. NUMBER: Not applicable.
 PACKING GROUP: Not applicable.

15. REGULATORY INFORMATION

OSHA STATUS: Hazardous. Nuisance dust. Irritant.
TSCA STATUS: All ingredients are included on the TSCA inventory list.

Canada WHIMIS Classification: No data.

SARA TITLE III:
SECTION 313 TOXIC CHEMICALS None.

STATE REGULATORY INFORMATION:

The following chemicals are specifically listed or otherwise regulated by individual states. For details on your regulatory requirements you should contact the appropriate agency in your state.

<u>COMPONENT NAME</u> <u>/CAS NUMBER</u>	<u>CONCENTRATION</u>	<u>STATE CODE</u>
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None known.

16. OTHER INFORMATION

REASON FOR ISSUE: Changes made in sections: 11, 14 & 15.
PREPARED BY: G. M. House
APPROVED BY: G. M. House
TITLE: Health, Safety & Environmental Manager
APPROVAL DATE: February 10, 2011
SUPERSEDES DATE: January 3, 2008
MSDS NUMBER: 745-11a.

Note: The Hazardous Material Indexing System (HMIS), cited in the Emergency Overview of Section 3, uses the following index to assess hazard rating: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; and 4 = Severe.

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