

MATERIAL SAFETY DATA SHEET

West System Inc.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: WEST SYSTEM® 403™ Microfibers.
 PRODUCT CODE: 403
 CHEMICAL FAMILY: Cotton flock.
 CHEMICAL NAME: Proprietary blend containing cotton flock.
 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 - 1 Physical Hazards - 0

CAUTION! Nuisance dust. Avoid excessive inhalation of airborne dust. White powder, no odor.

PRIMARY ROUTE(S) OF ENTRY: Inhalation.

POTENTIAL HEALTH EFFECTS:

ACUTE INHALATION: If exposure limits are exceeded, the respiratory tract may become irritated. May cause shortness of breath, coughing, and/or chest tightness due to temporarily physically overloading the lungs.

CHRONIC INHALATION: Repeated excessive inhalation could cause drying of the mucous membranes of the respiratory tract.

ACUTE SKIN CONTACT: May cause temporary irritation and drying of the skin.

CHRONIC SKIN CONTACT: Prolonged contact may cause dermatitis due to drying of the skin.

EYE CONTACT: May cause irritation seen as redness and tearing.

INGESTION: No information.

SYMPTOMS OF OVEREXPOSURE: Irritation of the respiratory tract, sneezing, coughing. Dry, chapped skin. Redness and tearing of the eyes.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Skin or respiratory conditions, such as asthma and dermatitis.

3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

INGREDIENT NAME	CAS#	CONCENTRATION
Fumed Amorphous Silica	112945-52-5	< 20%

4. FIRST AID MEASURES

FIRST AID FOR EYES: Flush adequately with water to remove particles. If discomfort persists, seek medical advice.

FIRST AID FOR SKIN: Wash with soap and water. Apply moisturizing cream to replenish moisture in the skin if necessary.

FIRST AID FOR INHALATION: Remove to fresh air if effects occur. If effects persist, seek medical advice.

FIRST AID FOR INGESTION: No specific information.

5. FIRE FIGHTING MEASURES

FLASH POINT:..... No data.

EXTINGUISHING MEDIA:..... Water, dry powder or carbon dioxide (CO₂).

SPECIAL FIRE FIGHTING PROCEDURES:..... When excessive flock dust becomes airborne, a moderate explosion hazard develops. Ignitable. Once ignited, builds pressure at a substantial rate.

6. ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES:..... Sweep and shovel or use properly grounded vacuum equipment. Do so in a manner that minimizes airborne dust.

7. HANDLING AND STORAGE

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

STORAGE:..... Keep dry.

HANDLING PRECAUTIONS:..... Avoid generating excessive airborne material when handling. Properly ground all material handling equipment to prevent static discharge.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION GUIDELINES:..... Safety glasses or goggles are recommended, depending on the expected level of exposure.

SKIN PROTECTION GUIDELINES:..... Areas expected to have repeated exposure, such as hands, may need to be protected by an impervious material to prevent dryness. Barrier creams can be used effectively.

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

ADDITIONAL PROTECTIVE MEASURES:..... Practice good industrial hygiene by washing with soap and water after each use. Apply moisturizing cream to replenish moisture to skin if necessary. Generally speaking, working cleanly and following basic precautionary measures will greatly minimize the potential for harmful exposure to this product under normal use conditions.

OCCUPATIONAL EXPOSURE LIMITS:..... This product should be treated as a nuisance dust. Refer to OSHA's Permissible Exposure Level (PEL) or the ACGIH Guidelines for information on specific ingredients.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM.....	Powder.
COLOR.....	Off-white.
ODOR.....	Odorless.
BOILING POINT.....	No data.
MELTING POINT/FREEZE POINT.....	No data.
pH.....	No data.
SOLUBILITY IN WATER.....	Insoluble.
SPECIFIC GRAVITY.....	1.54
BULK DENSITY.....	0.93 pounds/gallon.
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. This product is inert.

DECOMPOSITION PRODUCTS:..... Can include carbon monoxide (CO) and carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

No toxic effects are expected from this product.

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.

12. ECOLOGICAL INFORMATION

No specific information.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: This material is determined not to be a hazardous waste as per RCRA standards, either by listing or characteristics. Disposer must comply with all federal, state and local laws. Landfill is the preferred disposal method.

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.
 TSCA STATUS: All components of this product are in compliance with TSCA Inventory requirements.

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.

COMPONENT NAME /CAS NUMBER	CONCENTRATION	STATE CODE
Amorphous Silica 112945-52-5	<15%	MA, NJ, RI

16. OTHER INFORMATION

REASON FOR ISSUE: Changes made in Sections 3, 11, 14 & 15.
 PREPARED BY: G. M. House
 APPROVED BY: G. M. House
 TITLE: Health, Safety & Environmental Manager
 APPROVAL DATE: February 6, 2011
 SUPERSEDES DATE: January 3, 2008
 MSDS NUMBER: 403-11a

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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