# MATERIAL SAFETY DATA SHEET West System Inc.

## CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

......WEST SYSTEM® 407™ Low-Density Filler.

PRODUCT CODE:

CHEMICAL FAMILY: ...... Phenolic Polymer

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

#### HAZARDS IDENTIFICATION

#### **EMERGENCY OVERVIEW**

HMIS Hazard Rating:

Health - 1

Flammability - 1

Physical Hazards - 0

WARNING! Static ignition hazard. Avoid excessive inhalation of airborne dust. Reddish-brown hollow spheres with phenolic odor.

PRIMARY ROUTE(S) OF ENTRY: ...... Inhalation.

#### **POTENTIAL HEALTH EFFECTS:**

ACUTE INHALATION: and possible nasal discharge.

CHRONIC INHALATION:....

...... May aggravate existing respiratory conditions. May cause dryness of mucous membranes of the respiratory tract.

CHRONIC SKIN CONTACT: Repeated exposure may cause dermatitis due to drying of the skin.

conjuctiva.

INGESTION:

SYMPTOMS OF OVEREXPOSURE:

chapped or irritated skin. Irritated or tearing eyes.

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

# COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

**INGREDIENT NAME** CAS# CONCENTRATION

Phenol-formaldehyde resin Expanded perlite Fumed Amorphous Silica

9003-35-4 93763-70-3 112945-52-5

40 - 60% 30 - 45% < 15%

# FIRST AID MEASURES

FIRST AID FOR EYES:..... seek medical advice.

Flush adequately with water to remove particles. If discomfort persists,

FIRST AID FOR SKIN:...

in the skin if necessary.

advice.

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WARNING! Static ignition hazard. Avoid excessive inhalation of airborne dust. Reddish-brown hollow spheres with phenolic odor,

#### **POTENTIAL HEALTH EFFECTS:**

ACUTE INHALATION: ..... and possible nasal discharge.

CHRONIC INHALATION:.... 

mucous membranes of the respiratory tract

ACUTE SKIN CONTACT: ...... May cause irritation and dryness.

CHRONIC SKIN CONTACT: Repeated exposure may cause dermatitis due to drying of the skin.

EYE CONTACT: conjuctiva.

chapped or irritated skin. Irritated or tearing eyes.

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

COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

**INGREDIENT NAME** CONCENTRATION CAS#

Phenol-formaldehyde resin 9003-35-4 40 - 60% Expanded perlite 93763-70-3 30 - 45% Fumed Amorphous Silica 112945-52-5 < 15%

FIRST AID MEASURES

FIRST AID FOR EYES: 

seek medical advice.

FIRST AID FOR SKIN: in the skin if necessary.

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

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5.	FIRE FIGHTING MEASURES	
	FLASH POINT:	No data.
	EXTINGUISHING MEDIA:	CO <sub>2</sub> or dry chemical for small fires, all purpose foam for larger fires.
	SPECIAL FIRE FIGHTING PROCEDURES:	Use a self-contained breathing apparatus and appropriate protective
	clothing. Do not direct a stream of water or foam into burning molte	en material; this may result in spattering and spread of fire.
6.	ACCIDENTAL RELEASE MEASURES	
	SPILL OR LEAK PROCEDURES: a manner that minimizes airborne dust.	Sweep and shovel or use properly grounded vacuum equipment. Do so in
7.	HANDLING AND STORAGE	
	STORAGE TEMPERATURE (min./max.):	0°F (-17°C)/90°F (32°C)
	STORAGE: amounts are heated or stored above 35°C (95°F). The temperature being heated. Keep dry.	Store in a cool, well ventilated area. May ignite spontaneously if large at which this occurs is a function of geometry and the amount of material
	HANDLING PRECAUTIONS: ground all material handling equipment to prevent static discharge.	Avoid handling that will unnecessarily generate airborne dust. Properly
3.	EXPOSURE CONTROLS/PERSONAL PROTECTION	
	EYE PROTECTION GUIDELINES: level of exposure.	Safety glasses or goggles are recommended, depending on the expected
	SKIN PROTECTION GUIDELINES:be protected by an impervious material to prevent dryness. Barrier of	Areas expected to have repeated exposure, such as hands, may need to creams can be used effectively.
	RESPIRATORY/VENTILATION GUIDELINES:through the use of engineering controls, such as dilution and exhaus mask/respirator for nuisance dust.	Work environments should be maintained below applicable exposure level it ventilation. If this is not feasible, use a NIOSH approved dust
	ADDITIONAL PROTECTIVE MEASURES: use. Apply moisturizing cream to replenish skin moisture if necessar measures will greatly minimize the potential for harmful exposure to the potential	Practice good industrial hygiene by washing with soap and water after eac ry. Generally speaking, working cleanly and following basic precautionary this product under normal use conditions.
	OCCUPATIONAL EXPOSURE LIMITS:	This product should be treated as a nuisance dust. Refer to OSHA's mation on specific ingredients.
	PHYSICAL AND CHEMICAL PROPERTIES	
	PHYSICAL FORM	Powder.
	COLOR	Reddish-brown.
	ODOR	
	MELTING POINT/FREEZE POINT	No data.
	pH	
	SOLUBILITY IN WATER	. Largely insoluble.
	SPECIFIC GRAVITY	. No data.
	BULK DENSITY	. 1.01 pounds/gallon.
	VAPOR PRESSURE	. Not applicable.
	VAPOR DENSITY	. Not applicable.
	% VOLATILE BY WEIGHT	. 4% max. (moisture).
0.	STABILITY AND REACTIVITY	
	STABILITY:	. Stable.
	HAZARDOUS POLYMERIZATION:	. Will not occur.
	INCOMPATIBILITIES: especially hydrofluoric acid.	A chemical reaction is possible with strong bases or strong acids,
	DECOMPOSITION PRODUCTS: carbon dioxide (CO <sub>2</sub> ), phenol and formaldehyde.	Burning at elevated temperatures can produce carbon monoxide (CO),

## 11. TOXICOLOGICAL INFORMATION

#### CARCINOGENICITY:

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.

This material may contain trace amounts (< 0.0006%) of free formaldehyde, which is listed by IARC, NTP and OSHA as a carcinogen. Because of the extremely low concentration of formaldehyde, we would anticipate that exposure would be minimal or non-detectable under normal use conditions.

#### 12. ECOLOGICAL INFORMATION

No 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. Waste product may be sent to a landfill.

#### 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:

TECHNICAL SHIPPING NAME:

Not applicable.

HAZARD CLASS:

Not applicable.

U.N. NUMBER:

Not applicable.

Not applicable.

Not applicable.

### 15. REGULATORY INFORMATION

OSHA STATUS: Hazardous. Nuisance dust.

TSCA STATUS: All components are in compliance with TSCA requirements.

Canada WHIMIS Classification: No data.

SARA TITLE III:

# 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

Formaldehyde

50-0-0

< 0.0006%

1CA

Amorphous Silica

112945-52-5

<15%

MA, NJ, RI

Last Revised: 06FEB11

These substances are known to the State of California to cause cancer or reproductive harm, or both.

# 16. OTHER INFORMATION

REASON FOR ISSUE:	
PREPARED BY:	
APPROVED BY:	G. M. House
TITLE:	Health, Safety & Environmental Manager

APPROVAL DATE:	February 6, 2011
SUPERSEDES DATE:	January 3, 2008
MSDS NUMBER:	407-11a

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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