MATERIAL SAFETY DATA SHEET
West System Inc.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:.....WEST SYSTEM® 404™ High-Density Filler.
PRODUCT CODE:.....404
CHEMICAL NAME:.....Calcium Metasilicate, silicon dioxide blend.

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! Avoid excessive and repeated inhalation of dust. Avoid eye contact. Can cause respiratory irritation. Can cause eye and skin irritation. Off-white powder, low odor.

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

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: ..... May aggravate existing respiratory conditions. Excessive and repeated, long-term exposure may result in chronic lung condition.

ACUTE SKIN CONTACT:..... May cause mechanical irritation and dryness of exposed skin.

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

EYE CONTACT: ..... Causes mechanical irritation, redness and tearing.

INGESTION: ..... Non-hazardous upon incidental ingestion. A potentially mild irritant to the gastro-intestinal tract if excessive quantity is ingested.

SYMPTOMS OF OVEREXPOSURE:..... Respiratory tract irritation, eye irritation, skin irritation and dryness.

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

3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

INGREDIENT NAME	CAS#	CONCENTRATION
Calcium Metasilicate	13983-17-0	
Treated Fumed Amorphous Silica	67762-90-7	
Crystalline Silica (quartz)	14808-60-7	0 - 0.5%

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 persists, seek medical advice.

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

5. FIRE FIGHTING MEASURES

FLASH POINT: ..... None.

EXTINGUISHING MEDIA: ..... Not combustible.

SPECIAL FIRE FIGHTING PROCEDURES: ..... No information.

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

STORAGE TEMPERATURE (min./max.): ..... 40°F (4°C)/100°F (38°C)

STORAGE: ..... Store in a dry area.

HANDLING PRECAUTIONS: ..... Avoid handling that will unnecessarily generate airborne dust. Properly ground all material handling equipment to prevent static discharge in hazardous atmospheres.

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 and/or dust collection devices. If this is not feasible, use a NIOSH approved dust mask/respirator for nuisance dust or particulate not otherwise classified (PNOC).

ADDITIONAL PROTECTIVE MEASURES:..... Practice good industrial hygiene by washing with soap and water after each use. Apply moisturizing cream to replenish moisture 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 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..... Powder.
COLOR ..... Off-white.
ODOR..... Odorless.
BOILING POINT ..... No data.
MELTING POINT/FREEZE POINT ..... 1450°C.
pH ..... No data.
SOLUBILITY IN WATER 0.26%
SPECIFIC GRAVITY..... 2.45 - 2.96
BULK DENSITY..... 2.04 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 in designed use.

DECOMPOSITION PRODUCTS:..... No data.

11. TOXICOLOGICAL INFORMATION

Some medical studies of wollastonite mine and mill workers suggest that long term cumulative exposures to Wollastonite dust may cause decreased pulmonary function or mild industrial bronchitis, particularly in workers who smoke.

CARCINOGENICITY:

NTP..... This product is not identified as a carcinogen, but a component (crystalline silica) is.
IARC ..... This product is not identified as a carcinogen, but a component (crystalline silica) is.

The NTP and IARC have classified crystalline silica (quartz) as a human lung carcinogen. The International Agency for Research on Cancer (IARC) has classified Wollastonite as, Group 3: Unclassifiable as to carcinogenicty to humans. The German MAK Commission evaluation states: In all probability, Wollastonite fibers do not have any carcinogenic effects.

12. ECOLOGICAL INFORMATION

Naturally occurring and neutral to the environment.

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. Consider sending waste product 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:..... 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 or particulate not otherwise classified (PNOC).
TSCA STATUS:..... All components of this product are in compliance with TSCA Inventory requirements.

Canada WHIMIS Classification:..... D2A.

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	CONCENTRATION	STATE CODE
Crystalline silica 14808-60-7	0 – 0.5%	CA, PA, NJ, MA, RI, FL

16. OTHER INFORMATION

REASON FOR ISSUE:..... Changes made in Sections 3 & 8.
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:..... 404-11a.

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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