

MATERIAL SAFETY DATA SHEET

West System Inc.

WEST SYSTEM® 105-K

This MSDS series includes the individual MSDS appropriate for the West System 105-K kit product. The products within the 105-K kit for which there is an MSDS are as follows:

WEST SYSTEM 105 Epoxy Resin®
WEST SYSTEM 205 Fast Hardener®
WEST SYSTEM 406 Colloidal Silica
WEST SYSTEM 410 Microlight®
WEST SYSTEM 745 Glass Fabric

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:..... WEST SYSTEM® 105 Epoxy Resin
PRODUCT CODE:..... 105
CHEMICAL FAMILY:..... Epoxy Resin.
CHEMICAL NAME:..... Bisphenol A based epoxy resin.
FORMULA:..... Not applicable.

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**

WARNING May cause skin irritation. May cause eye irritation. May cause allergic reaction. Clear, viscous liquid with mild odor.

PRIMARY ROUTE(S) OF ENTRY:..... Skin contact.

POTENTIAL HEALTH EFFECTS:

ACUTE INHALATION:..... If product is heated, vapors generated can cause headache, nausea, dizziness and possible respiratory irritation if inhaled in high concentrations.

CHRONIC INHALATION:..... Repeated exposure to high vapor concentrations may cause irritation of pre-existing lung allergies and increase the chance of developing allergy symptoms to this product.

ACUTE SKIN CONTACT:..... May cause allergic skin response in certain individuals. May cause moderate irritation to the skin such as redness and itching.

CHRONIC SKIN CONTACT:..... May cause sensitization in susceptible individuals. May cause moderate irritation to the skin.

EYE CONTACT:..... May cause irritation.

INGESTION:..... Low acute oral toxicity.

SYMPTOMS OF OVEREXPOSURE:..... Possible sensitization and subsequent allergic reactions usually seen as redness and rashes.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:..... Pre-existing skin and respiratory disorders may be aggravated by exposure to this product. Pre-existing lung and skin allergies may increase the chance of developing allergic symptoms to this product.

3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

<u>INGREDIENT NAME</u>	<u>CAS #</u>	<u>CONCENTRATION (%)</u>
Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers	25085-99-8	60-100
Benzyl alcohol	100-51-6	10-30
Phenol-formaldehyde polymer glycidyl ether	28064-14-4	1-10

4. FIRST AID MEASURES

FIRST AID FOR EYES:..... Flush immediately with water for at least 15 minutes. Consult a physician.

FIRST AID FOR SKIN:..... Remove contaminated clothing. Wipe excess from skin. Apply waterless skin cleaner and then wash with soap and water. Consult a physician if effects occur.

FIRST AID FOR INHALATION:..... Remove to fresh air if effects occur.

FIRST AID FOR INGESTION:..... No acute adverse health effects expected from amounts ingested under normal conditions of use. Seek medical attention if a significant amount is ingested.

5. FIRE FIGHTING MEASURES

FLASH POINT:..... >200°F (Tag Closed Cup)

EXTINGUISHING MEDIA: Foam, carbon dioxide (CO₂), dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Wear a self-contained breathing apparatus and complete full-body personal protective equipment. Closed containers may rupture (due to buildup of pressure) when exposed to extreme heat.

FIRE AND EXPLOSION HAZARDS: During a fire, smoke may contain the original materials in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include, but are not limited to: phenolics, carbon monoxide, carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: Stop leak without additional risk. Dike and absorb with inert material (e.g., sand) and collect in a suitable, closed container. Warm, soapy water or non-flammable, safe solvent may be used to clean residual.

7. HANDLING AND STORAGE

STORAGE TEMPERATURE (min./max.): 40°F (4°C) / 120°F (49°C)

STORAGE: Store in cool, dry place. Store in tightly sealed containers to prevent moisture absorption and loss of volatiles. Excessive heat over long periods of time will degrade the resin.

HANDLING PRECAUTIONS: Avoid prolonged or repeated skin contact. Wash thoroughly after handling. Launder contaminated clothing before reuse. Avoid inhalation of vapors from heated product. Precautionary steps should be taken when curing product in large quantities. When mixed with epoxy curing agents this product causes an exothermic, which in large masses, can produce enough heat to damage or ignite surrounding materials and emit fumes and vapors that vary widely in composition and toxicity.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION GUIDELINES: Safety glasses with side shields or chemical splash goggles.

SKIN PROTECTION GUIDELINES: Wear liquid-proof, chemical resistant gloves (nitrile-butyl rubber, neoprene, butyl rubber or natural rubber) and full body-covering clothing.

RESPIRATORY/VENTILATION GUIDELINES: Good room ventilation is usually adequate for most operations. Wear a NIOSH/MSHA approved respirator with an organic vapor cartridge whenever exposure to vapor in concentrations above applicable limits is likely.

Note: West System, Inc. has conducted an air sampling study using this product or similarly formulated products. The results indicate that the components sampled for (epichlorohydrin, benzyl alcohol) were either so low that they were not detected at all or they were significantly below OSHA's permissible exposure levels.

ADDITIONAL PROTECTIVE MEASURES: Practice good caution and personal cleanliness to avoid skin and eye contact. Avoid skin contact when removing gloves and other protective equipment. Wash thoroughly after handling. 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: Not established for product as whole. Refer to OSHA's Permissible Exposure Level (PEL) or the ACGIH Guidelines for information on specific ingredients.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM: Liquid.

COLOR: Clear.

ODOR: Mild.

BOILING POINT: > 400°F

MELTING POINT/FREEZE POINT: No data.

VISCOSITY: 1000 (cP)

pH: No data.

SOLUBILITY IN WATER: Slight.

SPECIFIC GRAVITY: 1.15

BULK DENSITY: 9.6 (pounds/gallon)

VAPOR PRESSURE: < 1 mmHg @ 20°C.

VAPOR DENSITY: Heavier than air.

% VOLATILE BY WEIGHT: ASTM D 2369-07 was used to determine the Volatile Content of mixed epoxy resin and hardener. Refer to the hardener's MSDS for information about the total volatile content of the resin/hardener system.

10. STABILITY AND REACTIVITY

STABILITY: Stable.

HAZARDOUS POLYMERIZATION: Will not occur by itself, but a mass of more than one pound of product plus an aliphatic amine will cause irreversible polymerization with significant heat buildup.

INCOMPATIBILITIES: Strong acids, bases, amines and mercaptans can cause polymerization.

DECOMPOSITION PRODUCTS:..... Carbon monoxide, carbon dioxide and phenolics may be produced during uncontrolled exothermic reactions or when otherwise heated to decomposition.

11. TOXICOLOGICAL INFORMATION

No specific oral, inhalation or dermal toxicology data is known for this product. Specific toxicology information for a bisphenol-A based epoxy resin present in this product is indicated below:

Oral:.....LD₅₀ >5000 mg/kg (rats)
Inhalation: No Data.
Dermal:LD₅₀ = 20,000 mg/kg (skin absorption in rabbits)

TERATOLOGY: Diglycidyl ether bisphenol-A (DGEBA) did not cause birth defects or other adverse effects on the fetus when pregnant rabbits were exposed by skin contact, the most likely route of exposure, or when pregnant rats or rabbits were exposed orally.

REPRODUCTIVE EFFECTS:.....DGEBA, in animal studies, has been shown not to interfere with reproduction.

MUTAGENICITY:DGEBA in animal mutagenicity studies were negative. In vitro mutagenicity tests were negative in some cases and positive in others.

CARCINOGENICITY:

NTP..... Product not listed.
IARC..... Product not listed.
OSHA..... Product not listed.

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.

Many studies have been conducted to assess the potential carcinogenicity of diglycidyl ether of bisphenol-A. Although some weak evidence of carcinogenicity has been reported in animals, when all of the data are considered, the weight of evidence does not show that DGEBA is carcinogenic. Indeed, the most recent review of the available data by the International Agency for Research on Cancer (IARC) has concluded that DGEBA is not classified as a carcinogen.

Epichlorohydrin, an impurity in this product (<5 ppm) has been reported to produce cancer in laboratory animals and to produce mutagenic changes in bacteria and cultured human cells. It has been established by the International Agency for Research on Cancer (IARC) as a probable human carcinogen (Group 2A) based on the following conclusions: human evidence – inadequate; animal evidence – sufficient. It has been classified as an anticipated human carcinogen by the National Toxicology Program (NTP). Note: It is unlikely that normal use of this product would result in measurable exposure concentrations to this substance.

12. ECOLOGICAL INFORMATION

In the non-cured liquid form this product may cause long-term harm if released to the environment. Prevent entry into sewers and natural waters.

Movement and Partitioning:

Bioconcentration potential is moderate (BCF between 100 and 3000 or Log Kow between 3 and 5).

Degradation and Transformation:

Theoretical oxygen demand is calculated to be 2.35 p/p. 20-day biochemical oxygen demand is <2.5%.

Ecotoxicology:

Material is moderately toxic to aquatic organisms on an acute basis. LC50/EC50 between 1 and 10 mg/L in most sensitive species.

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.

Incinerate, recycle (fuel blending) or reclaim may be preferred methods when conducted in accordance with federal, state and local regulations.

14. TRANSPORTATION INFORMATION

DOT Non-Bulk

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

IMDG

SHIPPING NAME:..... Environmentally hazardous substance, liquid, n.o.s.
TECHNICAL SHIPPING NAME:..... Epoxy Resin.
HAZARD CLASS:..... Class 9.
U.N. NUMBER:..... UN3082.
PACKING GROUP:..... PG III.
EmS Number:..... F-A, S-F
MARINE POLLUTANT Yes

ICAO/IATA

SHIPPING NAME:..... Environmentally hazardous substance, liquid, n.o.s.
TECHNICAL SHIPPING NAME:..... Epoxy Resin.
HAZARD CLASS:..... Class 9.
U.N. NUMBER:..... UN3082.
PACKING GROUP:..... PG III.
MARINE POLLUTANT: Yes

15. REGULATORY INFORMATION

OSHA STATUS:..... Irritant.

TSCA STATUS:..... All components are listed on TSCA inventory or otherwise comply with TSCA requirements.

Canada WHMIS Classification:..... D2B - Toxic material causing other toxic effects.

CEPA Chemical Inventory Status:..... All components are listed or are otherwise compliant with CEPA requirements.

SARA TITLE III:

SECTION 313 TOXIC CHEMICALS None (deminimus).

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**

Epichlorohydrin

106-89-8

< 5ppm

¹CA

Benzyl alcohol

100-51-6

MA, PA, NJ

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

16. OTHER INFORMATION

REASON FOR ISSUE:..... Changes made in Section 14 and 15.

PREPARED BY:..... G. M. House

APPROVED BY:..... G. M. House

TITLE:..... Health, Safety & Environmental Manager

APPROVAL DATE:..... April 26, 2013

SUPERSEDES DATE:..... March 9, 2012

MSDS NUMBER:..... 105-13a

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of West System Inc. The data on this sheet is related only to the specific material designated herein. West System Inc. assumes no legal responsibility for use or reliance upon these data.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:..... WEST SYSTEM® 205 Fast Hardener
PRODUCT CODE:..... 205
CHEMICAL FAMILY:..... Amine.
CHEMICAL NAME:..... Modified aliphatic polyamine.
FORMULA:..... Not applicable.

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**

DANGER Causes burns to eyes and skin. Harmful if swallowed. Harmful if absorbed through the skin. May be harmful if inhaled. May cause allergic reaction. Amber colored liquid with ammonia odor.

PRIMARY ROUTE(S) OF ENTRY:..... Skin contact, eye contact, inhalation.

POTENTIAL HEALTH EFFECTS:

ACUTE INHALATION:..... May cause respiratory tract irritation. Coughing and chest pain may result.

CHRONIC INHALATION: May cause respiratory tract irritation, coughing, sore throat, shortness of breath or chest pain.

ACUTE SKIN CONTACT:..... May cause strong irritation, redness. Possible mild corrosion.

CHRONIC SKIN CONTACT:..... Prolonged or repeated contact may cause an allergic reaction and possible sensitization in susceptible individuals. Large dose skin contact may result in material being absorbed in harmful amounts.

EYE CONTACT: Moderate to severe irritation with possible tissue damage. Concentrated vapors can be absorbed in eye tissue and cause eye injury. Contact causes discomfort and possible corneal injury or conjunctivitis.

INGESTION:..... Single dose oral toxicity is moderate. May cause gastrointestinal tract irritation and pain. Aspiration hazard.

SYMPTOMS OF OVEREXPOSURE: Respiratory tract irritation. Skin irritation and redness. Possible allergic reaction seen as hives and rash. Eye irritation. Possible liver and kidney disorders upon long term skin absorption overexposures.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:..... Chronic respiratory disease, asthma. Eye disease. Skin disorders and allergies.

3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

<u>INGREDIENT NAME</u>	<u>CAS #</u>	<u>CONCENTRATION (%)</u>
Reaction products of triethylenetetramine with phenol/formaldehyde	32610-77-8	40-70
Polyethylenepolyamine	68131-73-7	10-30
Triethylenetetramine	112-24-3	5-20
Hydroxybenzene	108-95-2	1-10
Reaction Products of triethylenetetramine and propylene oxide	26950-63-0	1-10
Tetraethylenepentamine	112-57-2	1-10

4. FIRST AID MEASURES

FIRST AID FOR EYES:..... Immediately flush with water for at least 15 minutes. Get prompt medical attention.

FIRST AID FOR SKIN:..... Remove contaminated clothing. Immediately wash skin with soap and water. Do not apply greases or ointments. Get medical attention if severe exposure.

FIRST AID FOR INHALATION: Move to fresh air and consult physician if effects occur.

FIRST AID FOR INGESTION:..... Give conscious person at least 2 glasses of water. Do not induce vomiting. If vomiting should occur spontaneously, keep airway clear. Get medical attention.

5. FIRE FIGHTING MEASURES

FLASH POINT: >270°F (PMCC)

EXTINGUISHING MEDIA: Dry chemical, alcohol foam, carbon dioxide (CO₂), dry sand, limestone powder.

FIRE AND EXPLOSION HAZARDS: During a fire, smoke may contain the original materials in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include, but are not limited to: oxides of nitrogen, carbon monoxide, carbon dioxide, volatile amines, ammonia, nitric acid, nitrosamines. When mixed with sawdust, wood chips, or other cellulosic material, spontaneous combustion can occur under certain conditions. Heat is generated as the air oxidizes the amine. If the heat is not dissipated quickly enough, it can ignite the sawdust.

SPECIAL FIRE FIGHTING PROCEDURES: Use full-body protective gear and a self-contained breathing apparatus. Use of water may generate toxic aqueous solutions. Do not allow water run-off from fighting fire to enter drains or other water courses.

6. ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: Stop leak without additional risk. Wear proper personal protective equipment. Dike and contain spill. Ventilate area. Large spill - dike and pump into appropriate container for recovery. Small spill - recover or use inert, non-combustible absorbent material (e.g., sand, clay) and shovel into suitable container. Do not use sawdust, wood chips or other cellulosic materials to absorb the spill, as the possibility for spontaneous combustion exists. Wash spill residue with warm, soapy water if necessary.

7. HANDLING AND STORAGE

STORAGE TEMPERATURE (min./max.): 40°F (4°C) / 90°F (32°C).

STORAGE: Store in cool, dry place away from high temperatures and moisture. Keep container tightly closed.

HANDLING PRECAUTIONS: Use with adequate ventilation. Do not breathe vapors or mists from heated material. Avoid exposure to concentrated vapors. Avoid skin contact. Wash thoroughly after handling. When mixed with epoxy resin this product causes an exothermic reaction, which in large masses, can produce enough heat to damage or ignite surrounding materials and emit fumes and vapors that vary widely in composition and toxicity.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION GUIDELINES: Chemical splash-proof goggles or face shield.

SKIN PROTECTION GUIDELINES: Wear liquid-proof, chemical resistant gloves (nitrile-butyl rubber, neoprene, butyl rubber or natural rubber) and full body-covering clothing.

RESPIRATORY/VENTILATION GUIDELINES: Use with adequate general and local exhaust ventilation to meet exposure limits. In poorly ventilated areas, use a NIOSH/MSHA approved respirator with an organic vapor cartridge.

Note: West System, Inc. has conducted an air sampling study using this product or similarly formulated products. The results indicate that the components sampled for (phenol, formaldehyde and amines) were either so low that they were not detected at all or they were well below OSHA's permissible exposure levels.

ADDITIONAL PROTECTIVE MEASURES: Use where there is immediate access to safety shower and emergency eye wash. Wash thoroughly after use. Contact lens should not be worn when working with this material. 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: Not established for product as whole. Refer to OSHA's Permissible Exposure Level (PEL) or the ACGIH Guidelines for information on specific ingredients.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM Liquid.
COLOR Amber.
ODOR Ammonia-like.
BOILING POINT > 440°F.
MELTING POINT/FREEZE POINT Approximately 23°F.
pH Alkaline.
SOLUBILITY IN WATER Appreciable.
SPECIFIC GRAVITY 1.05
BULK DENSITY 8.85 pounds/gallon.
VAPOR PRESSURE < 1 mmHg @ 20°C.
VAPOR DENSITY Heavier than air.
VISCOSITY 1,000 cPs

% VOLATILE BY WEIGHT ASTM 2369-07 was used to determine the Volatile Matter Content of mixed epoxy resin and hardener. 105 Resin and 205 Hardener, mixed together at 5:1 by weight, has a density of 1137 g/L (9.49 lbs/gal). The combined VOC content for 105/205 is 7.91 g/L (0.07 lbs/gal).

10. STABILITY AND REACTIVITY

STABILITY: Stable.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITIES: Avoid excessive heat. Avoid acids, oxidizing materials, halogenated organic compounds (e.g., methylene chloride). External heating or self-heating could result in rapid temperature increase and serious hazard. If such a reaction were to take place in a waste drum, the drum could expand and rupture violently.

DECOMPOSITION PRODUCTS: Very toxic fumes and gases when burned or otherwise heated to decomposition. Decomposition products may include, but not limited to: oxides of nitrogen, volatile amines, ammonia, nitric acid, aldehydes, nitrosamines.

11. TOXICOLOGICAL INFORMATION

No specific oral, inhalation or dermal toxicology data is known for this product.

Oral: Expected to be moderately toxic.

Inhalation: Expected to be moderately toxic.

Dermal: Expected to be moderately toxic.

Absorption of phenolic solutions through the skin may be very rapid and can cause death. Lesser exposures can cause damage to the kidney, liver, pancreas and spleen; and cause edema of the lungs. Chronic exposures can cause death from liver and kidney damage.

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

In the non-cured, liquid form, this product may be harmful if released to the environment. Do not allow into sewers, on the ground or in any body of water.

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.

Incinerate, recycle (fuel blending) or reclaim may be preferred methods when conducted in accordance with federal, state and local regulations.

14. TRANSPORTATION INFORMATION**DOT Non-Bulk**

SHIPPING NAME: Polyamines, liquid, corrosive, n.o.s.

TECHNICAL SHIPPING NAME: Triethylenetetramine

HAZARD CLASS: Class 8

U.N./N.A. NUMBER: UN 2735

PACKING GROUP: PG III

MARINE POLLUTANT: No

ICAO/IATA

SHIPPING NAME: Polyamines, liquid, corrosive, n.o.s.

TECHNICAL SHIPPING NAME: Triethylenetetramine

HAZARD CLASS: Class 8

U.N. NUMBER: UN 2735

PACKING GROUP: PG III

MARINE POLLUTANT: No

IMDG

SHIPPING NAME: Polyamines, liquid, corrosive, n.o.s.

TECHNICAL SHIPPING NAME: Triethylenetetramine

HAZARD CLASS: Class 8

U.N. NUMBER: UN 2735

PACKING GROUP: PG III

EmS Number: F-A, S-B
MARINE POLLUTANT No

15. REGULATORY INFORMATION

OSHA STATUS: Corrosive; possible sensitizer.
TSCA STATUS: All components listed on TSCA inventory or otherwise comply with TSCA requirements.

Canada WHMIS Classification: D2A – Very toxic material causing other toxic effects; E – Corrosive.
CEPA Chemical Inventory Status: All components are listed or are otherwise compliant with CEPA requirements.

SARA TITLE III:

SECTION 313 TOXIC CHEMICALS: This product contains hydroxybenzene (phenol) and is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

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**ICAS NUMBER****CONCENTRATION****STATE CODE**

Tetraethylenepentamine

112-57-2

MA, NJ, PA

Tetraethylenetriamine

112-24-3

MA, NJ, PA

Phenol

108-95-2

NJ, RI, PA, MA, IL

16. OTHER INFORMATION

REASON FOR ISSUE: Changes made in Sections 5, 10, 14 & 15.
PREPARED BY: G. M. House
APPROVED BY: G. M. House
TITLE: Health, Safety & Environmental Manager
APPROVAL DATE: April 26, 2013
SUPERSEDES DATE: February 10, 2011
MSDS NUMBER: 205-11a

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of West System Inc. The data on this sheet is related only to the specific material designated herein. West System Inc. assumes no legal responsibility for use or reliance upon these data.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:..... WEST SYSTEM 406 Colloidal Silica.
PRODUCT CODE:..... 406
CHEMICAL FAMILY:..... Silicon.
CHEMICAL NAME:..... Silicon dioxide (amorphous).
FORMULA:..... SiO₂

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**

CAUTION May pose a static ignition hazard. White, fluffy powder with 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: May aggravate existing respiratory conditions. May cause dryness of 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: May cause irritation, redness and tearing.

INGESTION: No known health effects.

SYMPTOMS OF OVEREXPOSURE: Coughing, shortness of breath or irritation of the respiratory tract. Dry, chapped or irritated skin. Irritated or tearing eyes.

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

3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

<u>INGREDIENT NAME</u>	<u>CAS#</u>	<u>CONCENTRATION (%)</u>
Fumed Amorphous Silica	112945-52-5	100

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:..... Greater than 535°F (COC, ASTM D-92).

EXTINGUISHING MEDIA: Water, dry chemical, halon or foam.

SPECIAL FIRE FIGHTING PROCEDURES: No specific information.

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 handling that will unnecessarily generate airborne dust. 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 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 White.
ODOR Odorless.
BOILING POINT No data.
MELTING POINT/FREEZE POINT No data.
pH No data.
SOLUBILITY IN WATER Insoluble.
SPECIFIC GRAVITY 2.2
BULK DENSITY 0.33 pounds/gallon.
VAPOR PRESSURE Not Applicable.
VAPOR DENSITY Not Applicable.
% VOLATILE BY WEIGHT 0.0 (0.0 g/L)

10. STABILITY AND REACTIVITY

STABILITY: Stable.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITIES: A chemical reaction is possible with strong bases or hydrofluoric acid.

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

11. TOXICOLOGICAL INFORMATION

Oral: LD₅₀ >5000 mg/kg (rats)
Inhalation: LD₅₀ > 2.08 mg/L 4hr.
Dermal: LD₅₀ >5000 mg/kg (rabbits)

Data from chronic inhalation of treated and untreated silicas are currently under review.

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 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 Non-Bulk**

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

IMDG

SHIPPING NAME:..... Not regulated.
TECHNICAL SHIPPING NAME:..... Not applicable.
HAZARD CLASS:..... Not applicable.
U.N. NUMBER:..... Not applicable.
PACKING GROUP:..... Not applicable.
EmS Number:..... Not applicable.
MARINE POLLUTANT..... Not applicable.

ICAO/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:..... Nuisance dust.

TSCA STATUS:..... All components are listed on TSCA inventory or otherwise comply with TSCA requirements.

Canada WHMIS Classification:..... Not WHMIS Controlled.

CEPA Chemical Inventory Status:..... All components are listed or are otherwise compliant with CEPA requirements.

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**

Amorphous Silica
112945-52-5

CONCENTRATION

99%

STATE CODE

MA, NJ, RI

16. OTHER INFORMATION

REASON FOR ISSUE:..... Changes made in Sections 2.

PREPARED BY:..... G. M. House

APPROVED BY:..... G. M. House

TITLE:..... Health, Safety & Environmental Manager

APPROVAL DATE:..... April 26, 2013

SUPERSEDES DATE:..... February 6, 2011

MSDS NUMBER:..... 406-13a

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of West System Inc. The data on this sheet is related only to the specific material designated herein. West System Inc. assumes no legal responsibility for use or reliance upon these data.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:.....WEST SYSTEM 410 Microlight
PRODUCT CODE:.....410
CHEMICAL FAMILY:.....Thermoplastic polymer.
CHEMICAL NAME:.....Blend containing thermoplastic and inorganic microspheres.
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**

WARNING Can cause respiratory tract irritation. May cause eye irritation. May cause skin irritation. Off-white powder.

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

POTENTIAL HEALTH EFFECTS:

ACUTE INHALATION:.....May cause irritation to mucous membranes of the respiratory tract.

CHRONIC INHALATION:.....May cause respiratory sensitization.

ACUTE SKIN CONTACT:.....Irritation. May cause allergic reaction.

CHRONIC SKIN CONTACT:.....May cause sensitization.

EYE CONTACT:.....Irritation. Can cause damage to eye tissue.

INGESTION:.....Can cause irritation of the gastrointestinal tract.

SYMPTOMS OF OVEREXPOSURE:.....Irritation of the mouth, nose and throat. Irritated and tearing eyes. Dry, itchy and irritated skin.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:.....Allergic conditions. Asthma, dermatitis, and other skin or respiratory conditions.

3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

<u>INGREDIENT NAME</u>	<u>CAS#</u>	<u>CONCENTRATION (%)</u>
Sodium silicate	1344-09-8	30-60
Acrylic polymer	25214-39-6	30-60
Disodium tetraborate decahydrate	1303-96-4	5-10
Formaldehyde, polymer with 1,3, dimethylbenzene	26139-75-3	5-10
Isobutane	75-28-5	5-15
Synthetic amorphous silica	112945-52-5	1-5
Tris-2,4,6- (dimethylaminomethyl) phenol	90-72-2	1-5

4. FIRST AID MEASURES

FIRST AID FOR EYES:.....Flush with water for at least 15 minutes. If effects persist, consult a physician.

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

FIRST AID FOR INHALATION:.....Remove to fresh air. If effects persist, consult a physician.

FIRST AID FOR INGESTION:.....Do not induce vomiting. Get medical attention if significant amounts are ingested.

5. FIRE FIGHTING MEASURES

FLASH POINT: 188°C (Tag CC).

EXTINGUISHING MEDIA: Foam, carbon dioxide (CO₂) or dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Burning will generate toxic fumes. Use a self-contained breathing apparatus and appropriate protective clothing when fighting fires in an enclosed area. Cool exposed containers with water spray.

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)/90°F (32°C)

STORAGE: Store in a tightly closed container. Keep away from open flame.

HANDLING PRECAUTIONS: Avoid handling that will unnecessarily generate airborne dust. 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 liquid-proof glove (such as neoprene or nitrile) to prevent irritation. 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. If this is not feasible, use a NIOSH approved dust mask/respirator for nuisance dust. A respirator with an organic vapor cartridge may be necessary for certain sensitized individuals.

ADDITIONAL PROTECTIVE MEASURES: Practice good industrial hygiene by washing with soap and water after each use. Avoid inhalation. 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 to tan.
ODOR Slight ammonia-like odor.
BOILING POINT No data.
MELTING POINT/FREEZE POINT No data.
pH No data.
SOLUBILITY IN WATER Insoluble.
SPECIFIC GRAVITY 0.1
BULK DENSITY 0.41 pounds/gallon.
VAPOR PRESSURE Not applicable.
VAPOR DENSITY Not applicable.
% VOLATILE BY WEIGHT 0.0 (0.0 g/L).

10. STABILITY AND REACTIVITY

STABILITY: Stable.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITIES: Strong oxidants, especially when hot.

DECOMPOSITION PRODUCTS: Carbon monoxide (CO), carbon dioxide (CO₂) and oxides of nitrogen. Corrosive fumes of hydrogen chloride may occur.

11. TOXICOLOGICAL INFORMATION

No specific oral, inhalation or dermal toxicology data is known for this product.

Skin: No Data.

Oral: No Data.

Inhalation:..... No Data.

This products contains toluene (at < 0.07%) which is a known reproductive toxic.

CARCINOGENICITY:

NTP..... Product not listed.
IARC..... Product not listed.
OSHA..... Product not listed.

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

Minimal borate content may cause damage to plants, particularly to citrus crops.

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 Non-Bulk

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

IMDG

SHIPPING NAME:..... Not regulated.
TECHNICAL SHIPPING NAME:..... Not applicable.
HAZARD CLASS:..... Not applicable.
U.N. NUMBER:..... Not applicable.
PACKING GROUP:..... Not applicable.
EmS Number:..... Not applicable.
MARINE POLLUTANT..... Not applicable.

ICAO/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; Possible sensitizer.

WHMIS STATUS:..... D2B – Toxic material causing other toxic effects.

CEPA Chemical Inventory Status:..... All components are listed or are otherwise compliant with CEPA requirements.

TSCA STATUS:..... All components are included on the TSCA Inventory list or otherwise comply with TSCA requirements.

SARA TITLE III:

SECTION 313 TOXIC CHEMICALS:..... None (de minimus).

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
ICAS NUMBER

CONCENTRATION

STATE CODE

Acrylonitrile
107-13-1

< 0.003%

¹CA, MA, PA, NJ

Vinylidene Chloride
75-35-4

< 0.3%

PA, NJ, MA

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

16. OTHER INFORMATION

REASON FOR ISSUE:..... Changes made in Sections 2, 3, 14 and 15.
PREPARED BY:..... G. M. House
APPROVED BY:..... G. M. House
TITLE: Health, Safety & Environmental Manager
APPROVAL DATE: May 3, 2013
SUPERSEDES DATE:..... May 5, 2011
MSDS NUMBER:..... 410-13a

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of West System Inc. The data on this sheet is related only to the specific material designated herein. West System Inc. assumes no legal responsibility for use or reliance upon these data.

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 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**

CAUTION May cause skin irritation. May cause respiratory irritation. 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	98.8 – 99.9
Chromium (Cr3+), aqua chloro hydroxyl methacrylate complexes	111031-82-4	0.02 – 0.25

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 Non-Bulk**

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

IMDG

SHIPPING NAME:..... No regulated.
TECHNICAL SHIPPING NAME:..... Not applicable.
HAZARD CLASS:..... Not applicable.
U.N. NUMBER:..... Not applicable.
PACKING GROUP:..... Not applicable.
EmS Number:..... Not applicable.
MARINE POLLUTANT Not applicable.

ICAO/IATA

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

15. REGULATORY INFORMATION

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

Canada WHMIS Classification: Not a WHMIS controlled product.
CEPA Chemical Inventory Status: All components are listed or are otherwise compliant with CEPA requirements.

SARA TITLE III:
SECTION 313 TOXIC CHEMICALS None (de minimus).

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

None known.

16. OTHER INFORMATION

REASON FOR ISSUE:..... Changes made in sections 3 and 15.
PREPARED BY:..... G. M. House
APPROVED BY:..... G. M. House
TITLE: Health, Safety & Environmental Manager
APPROVAL DATE: April 26, 2013
SUPERSEDES DATE: February 10, 2011
MSDS NUMBER: 745-13a.

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of West System Inc. The data on this sheet is related only to the specific material designated herein. West System Inc. assumes no legal responsibility for use or reliance upon these data.

This page (intentionally left blank) represents the last page of the MSDS series for the WEST SYSTEM 105-K kit product.