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: .......................... Gougeon Brothers, Inc.
100 Patterson Avenue
Bay City, MI 48706, U.S.A.
Phone: 989-684-7286

EMERGENCY TELEPHONE NUMBERS:
Transportation
CHEMTREC: ........800-424-9300
Non-transportation
Poison Hotline: .......313-745-5711

2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT NAME</th>
<th>CAS#</th>
<th>CONCENTRATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium borosilicate</td>
<td>50818-87-7</td>
<td></td>
</tr>
<tr>
<td>Formaldehyde polymer with toluene</td>
<td>25155-81-1</td>
<td>&lt; 7%</td>
</tr>
<tr>
<td>Isobutane</td>
<td>75-28-5</td>
<td>&lt; 5%</td>
</tr>
<tr>
<td>Tris (dimethylaminomethyl) phenol</td>
<td>90-72-2</td>
<td>&lt; 3%</td>
</tr>
<tr>
<td>Vinylidene chloride</td>
<td>75-35-4</td>
<td>&lt; 0.3%</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**

HMIS Hazard Rating: Health - 2  Flammability - 1  Reactivity - 0

WARNING! Nuisance dust hazard. Inhalation may be harmful. Eye irritant. 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 be corrosive 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.

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)

SHELF LIFE: ..................................................... Two years or more if stored properly.

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 a 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.

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: Zero.

10. 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 product contains toluene (at < 0.07%) which is a known reproductive toxic.

CARCINOGENICITY:

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

This product contains no known carcinogens in concentrations greater than 0.1%.

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:

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

15. REGULATORY INFORMATION:

OSHA STATUS: ................................. Hazardous. Nuisance dust, irritant, possible sensitizer.
TSCA STATUS: ........................................ All components of this product are included on the TSCA Inventory list.

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.

<table>
<thead>
<tr>
<th>COMPONENT NAME</th>
<th>CAS NUMBER</th>
<th>CONCENTRATION</th>
<th>STATE CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylonitrile</td>
<td>107-13-1</td>
<td>&lt; 0.003%</td>
<td>¹CA</td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>&lt; 0.07%</td>
<td>¹CA, PA</td>
</tr>
<tr>
<td>Vinylidene Chloride</td>
<td>75-35-4</td>
<td>&lt; 0.3%</td>
<td>PA</td>
</tr>
</tbody>
</table>

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

16. OTHER INFORMATION:

REASON FOR ISSUE: ........................................... Standard information update in Section 2, 11, 15 and 16.
PREPARED BY: ............................................... T. J. Atkinson
APPROVED BY: ................................................... G. M. House
TITLE: ............................................................. Health, Safety & Environmental Manager
APPROVAL DATE: ................................................. January 5, 2001
SUPERSEDES DATE: ............................................... January 3, 1998
MSDS NUMBER: .................................................. 410-01a

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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