

MATERIAL SAFETY DATA SHEET

Gougeon Brothers, 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:

Gougeon Brothers, Inc.
100 Patterson Avenue
Bay City, MI 48706, U.S.A.
Phone: 517-684-7286

EMERGENCY TELEPHONE NUMBERS:

Transportation
CHEMTREC:800-424-9300
Non-transportation
Poison Hotline:313-745-5711

2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

<u>INGREDIENT NAME</u>	<u>CAS#</u>	<u>CONCENTRATION</u>
Calcium Metasilicate	13983-17-0	
Treated Fumed Silica	67762-90-7	

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

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

CAUTION! Avoid excessive 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.

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. Potential 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.

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)

SHELF LIFE:..... Three years or longer if stored properly.

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.

ADDITIONAL PROTECTIVE MEASURES:

Practice good industrial hygiene by washing with soap and water after each use. Apply moisturizing cream to replenish moisture if necessary.

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 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. 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 No.
 IARC No.
 OSHA No.

The International Agency for Research on Cancer (IARC) has classified wollastonite as, Group 3: Unclassifiable as to carcinogenicity 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:

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.

15. REGULATORY INFORMATION:

OSHA STATUS: Hazardous. Nuisance dust.
TSCA STATUS: All components of this product are in compliance with TSCA Inventory 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.

<u>COMPONENT NAME</u>	<u>CONCENTRATION</u>	<u>STATE CODE</u>
None known.		

16. OTHER INFORMATION:

REASON FOR ISSUE:..... Information update in Section 2, 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: April 26, 2000.
MSDS NUMBER: 404-01a.

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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