

HAZARDS IDENTIFICATION

GHS Hazard Symbols:



GHS Signal Word:
GHS Classification:

Danger
 Serious Eye Damage/Eye Irritation Category 1; Skin Sensitisation Category 1;
 Carcinogenicity Category 1A; Specific Target Organ Systemic Toxicity (STOT) -
 Repeated Exposure Category 1; Skin Corrosion/Irritation Category 2; Specific Target
 Organ Systemic Toxicity (STOT) - Single Exposure Category 3

GHS Hazard Phrases:

Causes skin irritation.; May cause an allergic skin reaction.; Causes serious eye damage.;
 May cause respiratory irritation.; May cause cancer.; Causes damage to organs through
 prolonged or repeated exposure.

GHS Precautions:

Safety Precautions:

Obtain special instructions before use. Do not handle until all safety precautions have
 been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray. Wash
 thoroughly after handling. Do not eat, drink or smoke when using this product. Use only
 outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed
 out of the workplace. Wear protective gloves/protective clothing/eye protection/face
 protection.

First Aid Measures:

IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to
 fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse
 cautiously with water for several minutes. Remove contact lenses, if present and easy to
 do. Continue rinsing. IF exposed or concerned: Get medical advice/attention.
 Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or
 doctor/physician if you feel unwell. If skin irritation or rash occurs: Get medical
 advice/attention. Take off contaminated clothing and wash before reuse.

Storage:

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal:

Dispose of contents/container in accordance with local/regional/national/international
 regulation for hazardous wastes.



COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	PERCENT	Classification	Note
Alumina cement	65997-16-2	10 - 30	Eye Dam. 1; H318 Skin Irrit. 2; H315	
Portland cement	65997-15-1	10 - 30	STOT SE 3; H335	* (see below)
Calcium sulfate, hemihydrate	26499-65-0	5 - 10	Eye Irrit. 2; H319 Skin Irrit. 2; H315 STOT SE 3; H335	* (see below)
Attapulgitte	12174-11-7	1 - 5	Carc. 2; H351	* (see below)
Crystalline silica	14808-60-7	1 - 5	Carc. 1A; H350 STOT RE 1; H372	* (see below)

*This product contains one or more materials that may be hazardous when present as an airborne dust. During normal handling of the product, the material is encapsulated within the product and will not present an exposure risk. Once the product has reached its final state and is abraded or disturbed, dusting and exposure may occur.

Unlisted ingredients are not 'hazardous' per the Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200) and/or are not found on the Canadian Workplace Hazardous Materials Information System ingredient disclosure list. See Section 8 for exposure limit guidelines.

FIRST AID MEASURES

IF IN EYES: Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

IF ON SKIN: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

IF INHALED: Remove to fresh air. Restore breathing, if necessary. Call a physician if symptoms persist.

IF SWALLOWED: Severely irritating. Do not induce vomiting. Seek medical attention immediately. Drink 2 glasses of water or milk to dilute. Do not give anything by mouth to an unconscious person.

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Use water spray, foam, dry chemical or carbon dioxide.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Material will not burn.

SPECIAL FIRE FIGHTING INSTRUCTIONS:

Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon dioxide, Carbon monoxide Sulfur containing gases

ACCIDENTAL RELEASE MEASURES

SPECIAL PROTECTION:

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred.

METHODS FOR CLEAN-UP:

Avoid creating dusts. Cover material with absorbent and moisten and collect for disposal.

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300



HANDLING AND STORAGE

Handling: Avoid contacting and avoid breathing the material. Use only in a well ventilated area.

Storage: Store in a cool, dry place.
 Consult the Technical Data Sheet for specific storage instructions.

EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS:

Chemical Name	Note	ACGIH EXPOSURE LIMITS	OSHA PEL
Calcium carbonate	* (see below)	No data available.	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)
Portland cement	* (see below)	1 mg/m ³ TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)
Calcium sulfate, hemihydrate	* (see below)	No data available.	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)
Crystalline silica	* (see below)	0.025 mg/m ³ TWA (respirable fraction)	((250)/(%SiO ₂ + 5) mppcf TWA (respirable)); ((10)/(%SiO ₂ + 2) mg/m ³ TWA (respirable)); ((30)/(%SiO ₂ + 2) mg/m ³ TWA (total dust))
Cellulose	* (see below)	10 mg/m ³ TWA	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)
Calcium sulfate	* (see below)	10 mg/m ³ TWA (inhalable fraction)	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)

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ENGINEERING CONTROL METHODS:

- VENTILATION: Use local exhaust ventilation or other engineering controls to minimize exposures.
- EYE PROTECTION: Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.
- SKIN PROTECTION: Avoid skin contact by wearing chemically resistant gloves and long sleeved shirt. An apron may be appropriate if splashing can occur.
- GLOVES: Nitrile
- RESPIRATORY PROTECTION: Respiratory protection may be required to avoid overexposure when handling this product. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. Respirators should be selected by and used following requirements found in OSHA's respirator standard (29 CFR 1910.134).



PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Solid
COLOR:	Gray
ODOR:	Odorless
ODOR THRESHOLD:	Not established
pH:	Not established
FREEZING/MELTING POINT (deg. C):	Not established
BOILING POINT (deg. C):	Not established
FLASH POINT:	Not applicable
EVAPORATION RATE:	Not established
FLAMMABILITY:	Not a flammable solid or gas
UPPER EXPLOSIVE LIMIT (% in air):	Not established
LOWER EXPLOSIVE LIMIT (% in air):	Not established
VAPOR PRESSURE (mm Hg):	Not established
VAPOR DENSITY:	Not established
WEIGHT PER GALLON (lbs.):	9.20
SPECIFIC GRAVITY:	1.100
SOLUBILITY:	Not established
OCTANOL/WATER COEFFICIENT:	Not established
AUTOIGNITION TEMPERATURE:	Not established
DECOMPOSITION TEMPERATURE:	Not established
VISCOSITY:	No data available.
SOLIDS (% by weight):	100.0
VOC, weight percent	0.00

STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions.
CHEMICAL INCOMPATIBILITY:	Not established
HAZARDOUS POLYMERIZATION:	Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide, carbon dioxide Sulfur containing gases

TOXICOLOGICAL INFORMATION

Component Toxicity / Toxicology Data:

COMPONENT NAME	LD50/LC50
Calcium carbonate	ORAL LD50 RAT 6,450 MG/KG
Crystalline silica	ORAL LD50 RAT 500 MG/KG
Cellulose	INHALATION LC50-4H RAT > 5,800.00 MG/M3
Calcium sulfate	ORAL LD50 RAT > 3,000 MG/KG

This product is a mixture. Unless noted, the information below is based on components.

Skin corrosion / irritation: Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

Serious eye damage / irritation :Can cause moderate irritation, tearing and reddening.

Respiratory / skin sensitization: May cause an allergic skin reaction.



Germ cell mutagenicity: No data available.
Carcinogenicity: Contains a material that may cause cancer.
Reproductive toxicity: No data available.
Specific target organ toxicity-single exposure: No data available.
Respiratory irritation / Narcotic effects: May cause respiratory irritation.
Specific target organ toxicity-repeated exposure: Causes damage to organs through prolonged or repeated exposure.
Target organs potentially affected by exposure: Lungs
Aspiration hazard: No data available.

Medical Conditions Aggravated by Exposure: Lung disease

ECOLOGICAL INFORMATION

OVERVIEW: No ecological information available for this product.
MOBILITY: No data available.
PERSISTENCE: No data available.
BIOACCUMULATION: No data available.

This product has not been tested for ecological effects. Relevant information for components is listed below:

Component:	Ecotoxicity values:
Calcium sulfate	Acute Toxicity (Fish): 96 Hr LC50 Lepomis macrochirus: 2980 mg/L [static]; 96 Hr LC50 Pimephales promelas: >1970 mg/L [static] Acute Toxicity (Daphnia): Not established Acute Toxicity (Algae): Not established

DISPOSAL CONSIDERATIONS

To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Dispose of in an approved landfill. Consult your state, local or provincial authorities and your local waste vendor for more restrictive requirements.

TRANSPORT INFORMATION

Consult Bill of Lading for transportation information.

US DOT: NOT REGULATED
IATA: NOT REGULATED

REGULATORY INFORMATION

INVENTORY STATUS

U.S. EPA TSCA: This product is in compliance with the Toxic Substances Control Act's Inventory requirements.
CANADIAN CEPA DSL: The components of this product are included on the DSL or are exempt from DSL requirements.
EUROPEAN REACH: As a result of the introduction of REACH into Europe, this product cannot be imported into Europe unless the REACH requirements are met.
AUSTRALIA AICS: This product is in compliance with the Australian Inventory of Chemical Substances requirements.
KOREAN TCCL: This product is in compliance with the Korean Existing Chemicals List



requirements.

CHINA IECSC INVENTORY: This product is in compliance with the Inventory of Existing Chemical Substances in China (IECSC) requirements.
 If you need more information about the inventory status of this product call 651-236-5858.

This product may contain chemical substances that are regulated for export by various government agencies (such as the Environmental Protection Agency, the Bureau of Industry and Security, or the Drug Enforcement Administration, among others). Before exporting this product from the USA or Canada, we recommend you contact us at reg.request@hbfuller.com to request an export review.

FEDERAL REPORTING

EPA SARA Title III Section 313

Unless listed below, this product does not contain toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372. EPA has advised that when a percentage range is listed the midpoint may be used to fulfill reporting obligations.

Chemical Name	CAS#	%
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STATE REPORTING

Proposition 65, The Safe Drinking Water and Toxic Enforcement Act of 1986:

Unless listed below, this product does not contain known levels of any chemical known to the State of California to cause cancer or reproductive harm.

Chemical Name/List		CAS	Percent
Quartz	(Carcinogen)	14808-60-7	1 - 5
Acetaldehyde	(Carcinogen)	75-07-0	0.01 - 0.1
Benzene	(Carcinogen)	71-43-2	0.01 - 0.1
Nickel	(Carcinogen)		< 10 ppm
Chromium VI	(Carcinogen)		< 10 ppm
Lead compounds	(Carcinogen)		< 10 ppm
Cadmium compounds	(Carcinogen)		< 10 ppm
Benzene	(Developmental toxin)	71-43-2	0.01 - 0.1
Toluene	(Developmental toxin)	108-88-3	0.01 - 0.1
Methanol	(Developmental toxin)	67-56-1	0.01 - 0.1
Benzene, methyl-	(Female reproductive toxin)	108-88-3	0.01 - 0.1
Benzene	(Male reproductive toxin)	71-43-2	0.01 - 0.1

Substances of Very High Concern (SVHC) Content:

Unless listed below, this product does not contain SVHC'S