

SAFETY DATA SHEET

REVISION DATE: 02-09-2017

SUPERSEDES: None

SECTION 1: IDENTIFICATION OF THE PRODUCT AND SUPPLIER
PRODUCT INFORMATION

PRODUCT: ACCUCOLOR PLUS ESPRESSO
PRODUCT DESCRIPTION: Cement
INTENDED USE: Adhesive
PRODUCT IDENTIFIER: 842532PM

COMPANY INFORMATION

H.B. Fuller Construction Products Inc.
 1105 S. Frontenac Street
 Aurora, IL 60504
 Phone: 1-800-552-6225

Medical Emergency Phone Number (24 Hours): 1-888-853-1758
 Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION
GHS Hazard Symbols:

GHS Signal Word: Danger

GHS Classification: Serious Eye Damage/Eye Irritation Category 1; Carcinogenicity Category 1A; Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure Category 1; Skin Corrosion/Irritation Category 2

GHS Hazard Phrases: Causes skin irritation.; Causes serious eye damage.; 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. Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures: IF ON SKIN: Wash with plenty of soap and water. 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. Get medical advice/attention if you feel unwell. P362+P364 - Take off contaminated clothing and wash it before reuse.

Storage: Store locked up.

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS # | PERCENT | Classification | Note |
|----------------|------------|---------|---|------|
| Alumina cement | 65997-16-2 | 30 - 50 | Eye Dam. 1; H318 Skin Irrit. 2; H315 | |

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| | | | | |
|------------------------------|------------|---------|--|---------------|
| Crystalline silica | 14808-60-7 | 30 - 50 | Carc. 1A; H350 STOT RE 1; H372 | * (see below) |
| Amorphous silica | 7631-86-9 | 30 - 50 | | * (see below) |
| Calcium sulfate, hemihydrate | 26499-65-0 | 5 - 10 | Eye Irrit. 2; H319 Skin Irrit. 2; H315 STOT SE 3; H335, H336 | * (see below) |
| Aluminum oxide | 1344-28-1 | 5 - 10 | | * (see below) |
| Calcium carbonate | 471-34-1 | 5 - 10 | | * (see below) |
| Potassium oxide | 12136-45-7 | 1 - 5 | Skin Corr. 1B; H314 | |
| Titanium dioxide | 13463-67-7 | 1 - 5 | Carc. 2; H351 | * (see below) |
| Iron oxide | 1309-37-1 | 1 - 5 | | * (see below) |

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.

SECTION 4: FIRST AID MEASURES

IF IN EYES: Immediately 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 and monitor the eye daily as advised by your physician.

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.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

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

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Material will burn in a fire.

SPECIAL FIRE FIGHTING INSTRUCTIONS:

There is a possibility of pressure buildup in closed containers when heated. Water spray may be used to cool the containers.

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

HAZARDOUS COMBUSTION PRODUCTS:

Carbon dioxide, Carbon monoxide Silicon dioxide Aluminum oxide

SECTION 6: 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. Eliminate ignition sources. If a vacuum is used, ensure that the material is wetted or otherwise treated so an explosive

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dust atmosphere is not created within the vacuum.

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

SECTION 7: HANDLING AND STORAGE

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

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
EXPOSURE LIMITS:

| Chemical Name | Note | ACGIH EXPOSURE LIMITS | OSHA PEL |
|--|---------------|---|--|
| 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)) |
| Amorphous silica | * (see below) | No data available. | 20 mppcf TWA; ((80)/(% SiO ₂) mg/m ³ TWA) |
| Calcium sulfate, hemihydrate | * (see below) | No data available. | 15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction) |
| Aluminum oxide | * (see below) | No data available. | 15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction) |
| Calcium carbonate | * (see below) | No data available. | 15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction) |
| Iron oxide (Fe ₃ O ₄) | | No data available. | 10 mg/m ³ TWA (as fume) |
| Titanium dioxide | * (see below) | 10 mg/m ³ TWA | 15 mg/m ³ TWA (total dust) |
| Iron oxide | * (see below) | 5 mg/m ³ TWA (respirable fraction) | 10 mg/m ³ TWA (as fume) |

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

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not available or sufficient to eliminate symptoms. NIOSH approved air purifying respirator with dust/mist filter.
 Respirators should be selected by and used following requirements found in OSHA's respirator standard (29 CFR 1910.134).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------------------|------------------------------|
| PHYSICAL STATE: | Solid |
| COLOR: | Opaque Brown |
| ODOR: | Odorless |
| ODOR THRESHOLD: | Not established |
| pH: | Not established |
| FREEZING/MELTING POINT (deg. C): | Not established |
| BOILING POINT (deg. C): | Not established |
| FLASH POINT: | Non flammable |
| 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.): | 11.00 |
| SPECIFIC GRAVITY: | 1.310 |
| 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 |

SECTION 10: STABILITY AND REACTIVITY

| | |
|-----------------------------------|---|
| STABILITY: | Stable under normal conditions. |
| CHEMICAL INCOMPATIBILITY: | Not established |
| HAZARDOUS POLYMERIZATION: | Will not occur. |
| HAZARDOUS DECOMPOSITION PRODUCTS: | Carbon monoxide, carbon dioxide Silicon dioxide Aluminum oxide |

SECTION 11: TOXICOLOGICAL INFORMATION
Component Toxicity / Toxicology Data:

| COMPONENT NAME | LD50/LC50 |
|--------------------|------------------------------------|
| Crystalline silica | Oral LD50 Rat 500 mg/kg |
| Amorphous silica | INHALATION LC50-1H Rat > 2.20 mg/l |

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.

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Serious eye damage / irritation :Can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excessive blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible.

Respiratory / skin sensitization: No data available.

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: No data available.

Specific target organ toxicity-repeated exposure: Causes damage to organs through prolonged or repeated exposure.

Target organs potentially affected by exposure: Lungs

Aspiration hazard: Not an aspiration hazard.

Medical Conditions Aggravated by Exposure: Lung disease

SECTION 12: 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: |
|--------------------|--|
| No data available. | Acute Toxicity (Fish): Acute Toxicity (Daphnia): Acute Toxicity (Algae): |

SECTION 13: 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.

SECTION 14: TRANSPORT INFORMATION

Consult Bill of Lading for transportation information.

US DOT: NOT REGULATED
IATA: NOT REGULATED

SECTION 15: 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.

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AUSTRALIA AICS: This product contains a component that is not on the Australian Inventory (AICS).

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# | % |
|---------------|-----------|--------|
| | 1344-28-1 | 5 - 10 |

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 | 30 - 50 |
| Titanium dioxide | (Carcinogen) | 13463-67-7 | 1 - 5 |
| Nickel | (Carcinogen) | | 0.001 - 0.01 |
| Nickel | (Carcinogen) | 7440-02-0 | < 10 ppm |
| Arsenic compounds (inorganic) | (Carcinogen) | | < 10 ppm |
| Lithium carbonate | (Developmental toxin) | 554-13-2 | 0.1 - 1 |
| Methanol | (Developmental toxin) | 67-56-1 | 0.001 - 0.01 |

Substances of Very High Concern (SVHC) Content:

Unless listed below, this product does not contain SVHC's at 0.1% or greater, as of the version date of this SDS.

SECTION 16: OTHER INFORMATION

SDS VERSION DATE: 02-09-2017

This Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

HMIS RATING: HEALTH -- 2 FLAMMABILITY -- 1 REACTIVITY -- 0

See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

Prepared by: The Global Regulatory Department

Phone: 651-236-5842

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to H.B. Fuller Construction Products, Inc. from its suppliers, and because H.B.

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