

**CLASSIFICATION:** 04 05 16 MASONRY GROUTING

**PRODUCT DESCRIPTION:** SPEC MIX® FINE 2500 CORE FILL GROUT IS USED TO FILL CELLS OF CONCRETE MASONRY UNITS AND HORIZONTAL BOND BEAMS AS WELL AS THE CAVITIES OF COMPOSITE MASONRY CONSTRUCTION. OUR FINE 2500 GROUT, SOLD UNDER THE SPEC MIX AND PACKAGE PAVEMENT BRANDS, IS A DRY, PRE-BLENDED PRODUCT CONTAINING PORTLAND CEMENT AND DRIED FINE AGGREGATES FORMULATED FOR SUPERIOR FLOW TO FILL MASONRY VOIDS AND PROVIDE OPTIMAL COMPRESSIVE STRENGTH WHILE MEETING ASTM C-476 PROPERTY REQUIREMENTS FOR REINFORCED MASONRY CONSTRUCTION (ASTM C-476 SECTION 4.2.1.2).

## Section 1: Summary

## Nested Method / Product Threshold

### CONTENT INVENTORY

#### Inventory Reporting Format

- Nested Materials Method  
 Basic Method

#### Threshold Disclosed Per

- Material  
 Product

#### Threshold level

- 100 ppm  
 1,000 ppm  
 Per GHS SDS  
 Per OSHA MSDS  
 Other

#### Residuals/Impurities

Residuals/Impurities  
Considered in 0 of 2 Materials

Explanation(s) provided  
for Residuals/Impurities?

- Yes  No

*All Substances Above the Threshold Indicated Are:*

**Characterized**  Yes Ex/SC  Yes  No

*% weight and role provided for all substances.*

**Screened**  Yes Ex/SC  Yes  No

*All substances screened using Priority Hazard Lists with results disclosed.*

**Identified**  Yes Ex/SC  Yes  No

*All substances disclosed by Name (Specific or Generic) and Identifier.*

### CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

**MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY**  
**GREENSCREEN SCORE | HAZARD TYPE**

**FINE 2500 GROUT MIX [ QUARTZ (QUARTZ - SAND) LT-1 | CAN ] GRAY PORTLAND CEMENT - TYPE I/II (CAS# 65997-15-1) [ TRICALCIUM SILICATE LT-UNK DICALCIUM SILICATE LT-UNK CALCIUM ALUMINATE LT-UNK LIMESTONE; CALCIUM CARBONATE LT-UNK GYPSUM LT-UNK ]**

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

Nanomaterial ... No

#### INVENTORY AND SCREENING NOTES:

Please note that the BM-1 warning, (LT-1) that is applied to Quartz Sand used in all ASTM C-476 conforming products, applies to this product only in its dry form, when not activated by water. This warning is to be observed during mixing with water or when aggravated during (including but not limited to, cutting, drilling, chipping, crushing or milling.) Once this grout has been thoroughly mixed with water the primary risk of silica dust is diffused, as is the case with other quartz products, like countertops, or windows.

### VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

### CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: Not Applicable

Other: ASTM C476 - COMPLIANT GROUT MIX

### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes  
 No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2019-10-30

PUBLISHED DATE: 2019-10-30

EXPIRY DATE: 2022-10-30



## Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-1-standard](http://www.hpd-collaborative.org/hpd-2-1-1-standard)

### FINE 2500 GROUT MIX

#: 100.00 - 100.00

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: The impurities of this material were not considered in this assessment.

OTHER MATERIAL NOTES: This mix design is based on a composite of Quartz Silica Sand and Portland Cement.

### QUARTZ (QUARTZ - SAND)

ID: 14808-60-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-10-30

#: 72.00 - 80.00

GS: LT-1

RC: None

NANO: No

ROLE: AGGREGATE

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CANCER	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CANCER	GHS - New Zealand	6.7A - Known or presumed human carcinogens
CANCER	GHS - Japan	Carcinogenicity - Category 1A [H350]
CANCER	GHS - Australia	H350i - May cause cancer by inhalation

SUBSTANCE NOTES:

### GRAY PORTLAND CEMENT - TYPE I/II (CAS# 65997-15-1)

#: 20.00 - 28.00

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities are not considered in this calculation due to natural variation which occurs in the raw materials used.

OTHER MATERIAL NOTES: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification. Portland Cement can cause serious chemical burns to skin, eyes, and lungs. Proper safety gear and protection must be worn during handling, mixing and application.

### TRICALCIUM SILICATE

ID: 12168-85-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-10-30**

#: **8.00 - 12.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Cement - Raw Material Ingredient**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found		No warnings found on HPD Priority Hazard Lists
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SUBSTANCE NOTES: **A component of Portland Cement**

### DICALCIUM SILICATE

ID: 10034-77-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-10-30**

#: **2.50 - 5.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Cement - Raw Material Ingredient**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found		No warnings found on HPD Priority Hazard Lists
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SUBSTANCE NOTES: **A Component of Portland Cement**

### CALCIUM ALUMINATE

ID: 12042-78-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-10-30**

#: **1.50 - 2.50** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Cement - Raw Material Ingredient**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found		No warnings found on HPD Priority Hazard Lists
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SUBSTANCE NOTES: **A Component of Portland Cement**

### LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-10-30**

#: **0.50 - 2.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Cement - Raw Material Ingredient**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found		No warnings found on HPD Priority Hazard Lists
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SUBSTANCE NOTES: **Component of Portland Cement**

**GYP SUM**

ID: **13397-24-5**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-10-30**

#: **0.50 - 2.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Cement - Raw Material Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**None found**

**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES: **A Component of Portland Cement**

## Section 3: Certifications and Compliance

*This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.*

### VOC EMISSIONS

Not Applicable

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2019-10-30**

EXPIRY DATE: **2020-10-29**

CERTIFIER OR LAB: **Self**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

### OTHER

**ASTM C476 - COMPLIANT GROUT MIX**

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2019-10-30**

EXPIRY DATE: **2020-10-29**

CERTIFIER OR LAB: **ADVANCED TESTING**

APPLICABLE FACILITIES: **ALL**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

## Section 4: Accessories

*This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.*

### WATER

HPD URL: **No HPD Available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Our Core Fill Masonry Grouts require only the addition of water. Typically 10-15%. Mix to a pourable consistency. 8-11" slump (200-280 mm)

## Section 5: General Notes

Our Fine 2500 Core-Fill Grout is crafted to meet or exceed the property specifications of ASTM C-476 (Section 4.2.1.2). Prior to use, the user must be made aware of the risks of silica dust, and the chemical risks associated with exposure of Portland cement and lime, which can cause serious damage to skin, eyes and lungs. Proper safety gear must be used, including waterproof safety gloves and work boots, an ANSI approved dust mask and eye protection and long sleeve shirt to avoid exposure.



## MANUFACTURER INFORMATION

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MANUFACTURER: **Package Pavement - Spec Mix**  
ADDRESS: **3530 Route 52**  
**Stormville NY 12582, USA**  
WEBSITE: **www.packagepavement.com**

CONTACT NAME: **John J Doherty**  
TITLE: **VP - Communications**  
PHONE: **800-724-8193 ext. 312**  
EMAIL: **jd@packagepavement.com**

## KEY

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**OSHA MSDS** Occupational Safety and Health Administration Material Safety Data Sheet  
**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

### Hazard Types

<b>AQU</b> Aquatic toxicity	<b>GLO</b> Global warming	<b>PHY</b> Physical Hazard (reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive toxicity
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple hazards	<b>RES</b> Respiratory sensitization
<b>END</b> Endocrine activity	<b>NEU</b> Neurotoxicity	<b>SKI</b> Skin sensitization/irritation/corrosivity
<b>EYE</b> Eye irritation/corrosivity	<b>OZO</b> Ozone depletion	<b>LAN</b> Land Toxicity
<b>GEN</b> Gene mutation	<b>PBT</b> Persistent Bioaccumulative Toxic	<b>NF</b> Not found on Priority Hazard Lists

### GreenScreen (GS)

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-P1</b> List Translator Possible Benchmark 1
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-1</b> List Translator Likely Benchmark 1
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>LT-UNK</b> List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	<b>NoGS</b> Unknown (no data on List Translator Lists)
<b>BM-U</b> Benchmark Unspecified (insufficient data to benchmark)	

### Recycled Types

**PreC** Preconsumer (Post-Industrial)  
**PostC** Postconsumer  
**Both** Both Preconsumer and Postconsumer  
**Unk** Inclusion of recycled content is unknown  
**None** Does not include recycled content

### Other Terms

#### Inventory Methods:

**Nested Method / Material Threshold** Substances listed within each material per threshold indicated per material  
**Nested Method / Product Threshold** Substances listed within each material per threshold indicated per product  
**Basic Method / Product Threshold** Substances listed individually per threshold indicated per product

**Nano** Composed of nano scale particles or nanotechnology  
**Third Party Verified** Verification by independent certifier approved by HPDC  
**Preparer** Third party preparer, if not self-prepared by manufacturer  
**Applicable facilities** Manufacturing sites to which testing applies

*The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:*

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

*Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.*

*The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.*

*The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.*