

CLASSIFICATION: N/A

PRODUCT DESCRIPTION: POZZOTIVE IS A POST-CONSUMER RECYCLED GROUND GLASS POZZOLAN USED PRIMARILY AS A SUPPLEMENTARY CEMENTITIOUS MATERIAL (SCM) IN CONCRETE PRODUCTS. UP TO 40% OF THE PORTLAND CEMENT IN CONCRETE PRODUCTS IS REPLACED BY GROUND GLASS POZZOLANS YIELDING A STRONGER, MORE DURABLE CONCRETE. CONCRETE STRUCTURES MADE WITH POZZOTIVE HAVE SIGNIFICANT LONGER LIFE SPANS WITH SIGNIFICANTLY LESS MAINTENANCE COSTS.

**Section 1: Summary**

**CONTENT INVENTORY**

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

Residuals and impurities considered in 0 of 1 materials

- see Section 2: Material Notes
- see Section 5: General Notes

Based on the selected Content Inventory Threshold:

Characterized.....	<input checked="" type="radio"/>	<input type="radio"/>
Are the Percent Weight and Role provided for all substances?	Yes	No
Screened.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances screened using Priority Hazard Lists with results disclosed?	Yes	No
Identified.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances disclosed by Name (Specific or Generic) and Identifier?	Yes	No

**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**

**GROUND GLASS [ GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED) LT-UNK KAOLIN CLAY LT-UNK | CAN CELLULOSE, MICROCRYSTALLINE NoGS ]**

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

Contents highest concern GreenScreen Benchmark or List translator Score..... LT-UNK  
Nanomaterial..... No

**INVENTORY AND SCREENING NOTES:**

This HPD was created with Basic Inventory.

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

VOC Content data is not applicable for this product category.

**CERTIFICATIONS AND COMPLIANCE**

Recycled content: Recycled content

See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: April 25, 2017	EXPIRY DATE*: April 25, 2020
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: April 26, 2017	* or within 3 months of significant change in product contents
*See HPDC website for details			



## Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: [www.hpd-collaborative.org](http://www.hpd-collaborative.org) and [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org).

**GROUND GLASS**

%: 96.0000 - 100.0000

HPD URL: <http://urbanminingne.com/pdfs/hpd>

Inventory Threshold: 1000 ppm

Residuals Considered: No

Material Notes: CAS 65997-17-3, Glass powder - not otherwise regulated. Depending on the source of glass, there may be from 0% to 3% ceramics. Ceramics are not considered impurities because ground ceramics are pozzolanic like glass. Also, depending on the source of glass, there may be 0% to 1% residual paper fiber from glass bottle labels.

**GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED)**

ID: 65997-17-3

%: 96.0000 - 100.0000

GS: LT-UNK

RC: PostC

NANO: NO

ROLE: Pozzolan

**HAZARDS:**

None Found

**AGENCY(IES) WITH WARNINGS:**

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Glass is an amorphous substance that contains approximately 70% amorphous silica which is the component that provides the pozzolanic reactivity.

**KAOLIN CLAY**

ID: 1332-58-7

%: 0.0000 - 3.0000

GS: LT-UNK

RC: PostC

NANO: NO

ROLE: Pozzolan

**HAZARDS:**

CANCER

MAK

**AGENCY(IES) WITH WARNINGS:**

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Small quantities of ceramic, mostly broken kitchenware, is recycled with post-consumer glass. Ceramics are made primarily from kaolin clay that is vitrified in an oven during the manufacturing process. This vitrification process makes the ceramic pozzolanic.

**CELLULOSE, MICROCRYSTALLINE**

ID: 9004-34-6

%: 0.0000 - 1.0000

GS: NoGS

RC: PostC

NANO: NO

ROLE: Residual

**HAZARDS:**

None Found

**AGENCY(IES) WITH WARNINGS:**

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The glass used to manufacture Pozzotive is primarily bottle glass. The cleaning process removes most of the paper labels, however depending on the source of glass, there may be 0% to 1% residual paper fiber in Pozzotive. It does not harm the product.

**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.

**RECYCLED CONTENT****Recycled content**

CERTIFYING PARTY: Self-declared

APPLICABLE FACILITIES: All

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: The primary source of soda-lime glass is from material recovery facilities (MRFs) and bottle redemption programs in the states having bottle bills. All of the glass from these facilities is post-consumer recycled.

ISSUE

DATE: 2017-04-20

EXPIRY DATE:

0000-00-00

CERTIFIER OR

LAB: Self



## 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.



## Section 5: General Notes

Pozzotive is manufactured from post-consumer waste bottle glass. The two primary sources are from material recovery facilities (MRFs) and bottle redemption programs. Other sources include restaurant and bar collection programs, recyclable drop-off facilities, curbside glass pick-up programs, etc. MRFs are facilities that process recyclables into homogeneous recycled product streams including paper, cardboard, plastic, ferrous and non-ferrous metals and glass. The glass is typically co-mingled with non-glass materials including paper, plastic, metals and other non-recyclable objects. The typical MRF glass is 80% glass and 20% other materials by dry weight. Urban Mining separates the trash and cleans the glass to very high cleanliness standards. The glass is then ground to an extremely fine powder, typically less than 45 micron in size.



**MANUFACTURER INFORMATION**

MANUFACTURER: Urban Mining Northeast

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**KEY**

**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

**AQU** Aquatic toxicity

**GLO** Global warming

**PHY** Physical Hazard (reactive)

**CAN** Cancer

**MAM** Mammalian/systemic/organ toxicity

**REP** Reproductive toxicity

**DEV** Developmental toxicity

**MUL** Multiple hazards

**RES** Respiratory sensitization

**END** Endocrine activity

**NEU** Neurotoxicity

**SKI** Skin sensitization/irritation/corrosivity

**EYE** Eye irritation/corrosivity

**OZO** Ozone depletion

**LAN** Land Toxicity

**GEN** Gene mutation

**PBT** Persistent Bioaccumulative Toxic

**NF** Not found on Priority Hazard Lists

GreenScreen (GS)

**BM-4** Benchmark 4 (prefer-safer chemical)

**LT-P1** List Translator Possible Benchmark 1

**BM-3** Benchmark 3 (use but still opportunity for improvement) **BM-2** Benchmark 2 (use but search for safer substitutes)

**LT-1** List Translator Likely Benchmark 1

**BM-1** Benchmark 1 (avoid - chemical of high concern)

**LT-UNK** List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)

**BM-U** Benchmark Unspecified (insufficient data to benchmark)

**UNK** Unknown (no data on List Translator Lists)

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

**Nano** Composed of nanoscale particles or nanotechnology

Declaration Level

**Self-declared** Manufacturer's self-declaration (First Party)

**Independent Lab** Manufacturer's self-declaration using results from an independent lab

**Second Party** Verification by trade association or other interested party

**Third Party** Verification by independent certifier

**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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

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

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." 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 Open Standard noted.