



## Safety Data Sheet

**Material Name: Recycled Item 4**

**Synonyms: Recycled Construction Aggregate, Recycled Hardened Concrete, Crushed Stone, Hot Mix Asphalt, Brick**

### Section 1 – Product and Company Identification

#### Manufacturer Information

Peckham Industries Inc.

20 Haarlem Ave.

White Plains, NY 10603

Phone: 914-949-2000

[www.peckham.com](http://www.peckham.com)

### Section 2 – Hazardous Identification

#### GHS Classification:

Acute Toxicity Oral – Category 4

Skin Corrosion/Irritation – Category 2

Eye Damage/Irritation – Category 2

Carcinogenicity – Category 1

Specific Target Organ Toxicity Repeat Exposure – Category 1

#### GHS LABEL ELEMENTS

##### Symbol(s)



##### Signal Word

Danger

##### Hazard Statements

Harmful if swallowed.

Causes skin and eye irritation.

May cause cancer.

Causes damage to organs (lungs) through prolonged or repeated exposure.

##### Precautionary Statements

###### Prevention

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/protective clothing/eye protection/face protection.

Do not breath dust.

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## Response

If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth.

If on skin: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

## Storage

Store in an appropriate container or containment structure.

## Disposal

Dispose of contents/container in accordance with local/regional/nation/international regulations.

## Section 3 – Composition/ Information on Ingredients

Components Name(s)	CAS Registry No.	Concentration (%)
Aggregate (limestone, granite, hot mix asphalt, brick, concrete, soil, etc.)	Mixture	60-95
– Composition varies naturally; typically contains quartz (crystalline silica)	14808-60-7	>1
Hydrated Portland Cement	65997-15-1	3-40

## Section 4 – First Aid Measures

### First Aid: Eyes

Immediately flush eyes thoroughly with water. Call physician if irritation persists.

### First Aid: Skin

Wash skin with soap and water. Call physician if irritation persists.

### First Aid: Ingestion

Do not induce vomiting. If conscious, have the victim drink plenty of water and call a physician for medical advice.

### First Aid: Inhalation

Remove to fresh air. Seek medical help if coughing and other symptoms do not subside.

## Section 5 – Fire Fighting Measures

### General Fire Hazards

See Section 9 for Flammability Properties.

None

### Hazardous Combustion Products

None

### Extinguishing Media

Use appropriate extinguishing media for surrounding fire.

### Unsuitable Extinguishing Media

None

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## Fire Fighting Equipment/Instructions

None

## Section 6 – Accidental Release Measures

### Recovery and Neutralization

Avoid actions that cause dust to become airborne. Avoid inhalation of dust and contact with skin. Wear appropriate personal protective equipment as described in Section 8.

### Materials and Methods for Clean-Up

Vacuum cleaning is the preferred method for the dry fine materials. Avoid dry sweeping which creates dust. Apply water spray to prevent airborne dust. Scrape up wet material and place in an appropriate container.

### Emergency Measures

Isolate area. Keep unnecessary personnel away.

### Personal Precautions and Protective Equipment

Wear protective equipment and clothing during clean-up.

### Environmental Precautions

None

### Prevention of Secondary Hazards

None

## Section 7 – Handling and Storage

### Handling Procedures

Wash thoroughly after exposure to dust. Promptly remove dusty clothing and launder before use.

### Storage Procedures

Normal temperatures and pressures do not affect the material.

### Incompatibilities

None

## Section 8 – Exposure Controls/ Personal Protection

### Component Exposure Limits

#### Quartz (14808-60-7)

ACGIH:	0.025 mg/m <sup>3</sup> TWA (respirable fraction)
NIOSH:	0.05 mg/m <sup>3</sup> TWA (respirable dust)

### Engineering Measures

Use local exhaust or general dilution ventilation to control exposure within applicable limits.

### Personal Protective Equipment: Respiratory

Avoid actions that cause dust exposure to occur. Use local or general ventilation to control exposures below applicable exposure limits. NIOSH or MSHA approved particulate filter respirators should be used in the context of respiratory protection program meeting the requirements of the OSHA respiratory protection standard [29 CFR 1910.134] to control exposures when ventilation or other controls are inadequate or discomfort or irritation is experienced. Respirator and/or filter cartridge selection should be based on American National Standards Institute (ANSI) Standards Z88.2 Practices for Respiratory Protection.

### Personal Protective Equipment: Hands

Where prolonged exposure to products might occur, wear impervious gloves to eliminate skin contact.

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## Personal Protective Equipment: Eyes

When engaged in activities where ingredients could contact the eye, wear safety glasses with side shields or goggles. In extremely dusty environments and unpredictable environments, wear unvented or indirectly vented goggles to avoid eye irritation or injury. Contact lenses should not be worn when working with ingredients.

## Personal Protective Equipment: Skin and Body

Normal work clothing (long sleeved shirts and long pants) is recommended.

## Section 9 – Physical & Chemical Properties

<b>Appearance:</b>	Granular Mixture- Various colors	<b>Odor:</b>	No Distinct Odor
<b>Physical State:</b>	Solid	<b>pH:</b>	Not Applicable
<b>Vapor Pressure:</b>	Not Applicable	<b>Vapor Density:</b>	Not Applicable
<b>Boiling Point:</b>	Not Applicable	<b>Melting Point:</b>	Not Applicable
<b>Solubility(H<sub>2</sub>O):</b>	Not Applicable	<b>Specific Gravity:</b>	1.7- 3.0
<b>Evaporation Rate:</b>	Not Applicable	<b>VOC:</b>	Not Applicable
<b>Octanol/H<sub>2</sub>O Coeff:</b>	Not Applicable	<b>Flash Point:</b>	None
<b>Flash Point Method:</b>	Not Applicable	<b>Upper Flammability Limit: (UFL):</b>	None
<b>Lower Flammability Limit: (LFL):</b>	None	<b>Burning Rate:</b>	None
<b>Auto Ignition:</b>	None		

## Section 10 – Chemical Stability & Reactivity Information

### Chemical Stability

This is a stable material.

### Hazardous Reaction Potential

Will not occur.

### Conditions to Avoid

Contact with powerful oxidizing agents such as fluorine, boron trifluoride, chlorine trifluoride, and oxygen difluoride may cause fire and/or explosions. Silica dissolves in hydrofluoric acid producing gas- silicon tetrafluoride.

### Incompatible Products

None.

### Hazardous Decomposition Products

None.

## Section 11 – Toxicological Information

### Acute Toxicity

#### Component Analysis – LD50/LC50

**Quartz (14808-60-7)**

Oral LD50 Rat 500 mg/kg

### Potential Health Effects: Skin Corrosion Property/Stimulativeness

This product can cause abrasion and irritation to the skin.

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**Potential Health Effects: Eye Critical Damage/Stimulativeness**

Exposure to airborne dust during the handling of this product may cause immediate or delayed irritation.

**Potential Health Effects: Ingestion**

This product can cause gastrointestinal irritation if ingested.

**Potential Health Effects: Inhalation**

The ingredients in this product could contain crystalline silica. Exposure to these ingredients in excess of the applicable TLV or PEL may cause or aggravate other lung conditions. Exposure may cause irritation to the moist mucous membranes of the nose, throat, and upper respiratory system.

**Respiratory Organs Sensitization/Skin Sensitization**

This product is not reported to have any sensitization effects.

**Generative Cell Mutagenicity**

This product is not reported to have any mutagenic effects.

**Carcinogenicity**

**A. General Product Information**

May cause cancer.

Exposures to respirable crystalline silica are not expected during the normal use of this product. Prolonged and repeated exposure to airborne free respirable crystalline silica can result in lung disease and/or lung cancer. IARC states that crystalline silica in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1).

**B. Component Carcinogenicity**

**Quartz (14808-60-7)**

- ACGIH: A2- Suspected Human Carcinogen
- NIOSH: Potential occupational carcinogen
- NTP: Known Human Carcinogen (respirable size) (Select Carcinogen)
- IARC: Monograph 100C [2012](listed under Crystalline silica inhaled in the form of quartz or cristobalite from occupational sources); Monograph 68 [1997] (Group 1(carcinogenic to humans)).

**Reproductive Toxicity**

This product is not reported to have any reproductive toxicity effects.

**Specified Target Organ General Toxicity: Single Exposure**

This product is not reported to have any single exposure specific target organ toxicity effects.

**Specified Target Organ General Toxicity: Repeated Exposure**

Causes damage to organs (lungs) through prolonged or repeated exposure.

**Aspiration Respiratory Organs Hazard**

This product is not reported to have any aspiration hazard effects.

**Section 12 – Ecological Information**

**Ecotoxicity**

**A. General Product Information**

This product is not reported to have any ecotoxicity effects. Dust can cause soiling and damage sensitive vegetation after prolonged exposure. Aggregates are classified inert and not considered to pose ecological concern.

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## **B. Component Analysis – Ecotoxicity – Aquatic Toxicity**

No ecotoxicity data are available for this product's components.

## **Persistence/Degradability**

No information available for the product.

## **Bioaccumulation**

No information available for the product.

## **Mobility in Soil**

No information available for this product.

## **Section 13 – Disposal Considerations**

### **Waste Disposal Instructions**

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

### **Disposal of Contaminated Containers or Packing**

Dispose of contents/container in accordance with local/regional/national/international regulations.

## **Section 14 – Transportation Information**

### **DOT Information**

**Shipping Name:** Not Regulated

**Additional Info:** Dry fine materials best transported by bulk tanker or sealed bags. Aggregates should be sheeted or conditioned with water to minimize dust.

## **Section 15 – Regulatory Information**

### **Regulatory Information**

#### **US Federal Regulations**

#### **Component Analysis**

None of this product's components are listed under SARA Section 302 (40 CFR 335 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

#### **State Regulations**

#### **Component Analysis – State**

The following components appear on one or more of the following state hazardous substances lists:

<b>Component</b>	<b>CAS</b>	<b>CA</b>	<b>MA</b>	<b>MN</b>	<b>NJ</b>	<b>PA</b>	<b>RI</b>
Quartz	14808-60-7	No	Yes	Yes	Yes	Yes	No

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**Component Analysis – WHMIS IDL**

Component	CAS #	Minimum Concentration
Quartz	14808-60-7	1 %

**Additional Regulatory Information**

**Component Analysis – Inventory**

Component	CAS #	TSCA	CAN	EEC
Quartz	14808-60-7	Yes	DSL	EINECS

**Section 16 – Other Information**

<b>Hazardous Material Information System (HMIS):</b>	<b>Health</b>	<b>1</b>
	<b>Flammability</b>	<b>0</b>
	<b>Physical Hazard</b>	<b>0</b>
	<b>Personal Protection</b>	<b>A</b>

NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme  
 Protective Equipment: Safety glasses, gloves

**Key/Legend**

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.

**Literature References**

None

**Other Information**

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