



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.
172 Prospect Hill Rd
Brewster, NY 10509
Phone: 914-949-2000
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 ³ TWA (respirable fraction)
NIOSH:	0.05 mg/m ³ 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

Appearance:	Granular Mixture- Various colors	Odor:	No Distinct Odor
Physical State:	Solid	pH:	Not Applicable
Vapor Pressure:	Not Applicable	Vapor Density:	Not Applicable
Boiling Point:	Not Applicable	Melting Point:	Not Applicable
Solubility(H₂O):	Not Applicable	Specific Gravity:	1.7- 3.0
Evaporation Rate:	Not Applicable	VOC:	Not Applicable
Octanol/H₂O Coeff:	Not Applicable	Flash Point:	None
Flash Point Method:	Not Applicable	Upper Flammability Limit: (UFL):	None
Lower Flammability Limit: (LFL):	None	Burning Rate:	None
Auto Ignition:	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:

Component	CAS	CA	MA	MN	NJ	PA	RI
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

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

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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