

MSDS MATERIAL SAFETY DATA SHEET

STONEEDGE

StoneEdge Aggregate Blend-Variou Colors

1. Product and company identification

Common name	StoneEdge Aggregate Blend – various colors
Material uses	Multi-Purpose polymer modified cement overlay coating
Supplier/Manufacturer	Turley International Resources, LLC 4322 S 80 th Street Mesa, AZ 85212 USA Telephone: 480-380-6253 Fax: 480-380-6244 Sales: 480-225-6339 Email: del@turleyinternational.com www.stoneedgesurfaces.com
In case of emergency	480-380-6253

2. Hazards identification

Physical state	Solid.
Color	White, gray, or pigmented.
Hazard status	This material is classified hazardous under OSHA regulations in the United States, the WHMIS Controlled Product Regulation in Canada and the NOM-018-STPS-2000 in Mexico.
Emergency overview	DANGER! PROLONGED CONTACT MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN BURNS. MAY CAUSE ALLERGIC RESPIRATORY REACTION. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE. CANCER HAZARD - CONTAINS MATERIAL WHICH CAN CAUSE CANCER. Avoid exposure - obtain special instructions before use. Do not get in eyes or on skin or clothing. Contains material that can cause target organ damage. Contains material which can cause cancer. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.
Potential acute health effects	
Eyes	Corrosive to eyes. Causes burns.
Skin	Corrosive to the skin. Prolonged contact may cause burns.
Inhalation	Corrosive to the respiratory system. May cause sensitization by inhalation. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Ingestion	May cause burns to mouth, throat and stomach.
Potential chronic health effects	CARCINOGENIC EFFECTS; Classified 1 (Known to be human carcinogens.) by NTP, + (Proven.) by NIOSH [Silica crystalline, quartz]. Classified A2 (Suspected for humans.) by ACGIH, 2A (Probable for human.) by IARC [Silica crystalline, quartz]. Classified A4 (Not classifiable for humans or animals.) by ACGIH [Kaolin]. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS; Not available.
Medical conditions aggravated by over-exposure	Pre-existing respiratory disorders and disorders involving any other target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.
See toxicological information (section 11)	

3. Composition / information on ingredients

United States		
Name	CAS number	%
Silica crystalline, quartz	14808-60-7	60 -100
Portland cement mixture	65997-15-1	25 - 50
Kaolin	1332-58-7	5 -10

Canada		
Name	CAS number	%
Silica crystalline, quartz	14808-60-7	60 -100
Portland cement mixture	65997-15-1	25-50
Kaolin	1332-58-7	5 -10
Calcium formate	544-17-2	1-5
Limestone	1317-65-3	0.1 -1

4. First aid measures

Eye contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention immediately.
Skin contact	In case of contact with skin wash clean with soap and water. Get medical attention if irritation occurs.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Notes to physician	No specific antidote.

5. Fire-fighting measures

Flammability of the product	Non-flammable.
Extinguishing media Suitable	
Not suitable	Use an extinguishing agent suitable for the surrounding fire.
Special exposure hazards	None known. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. No specific fire or explosion hazard.
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions	Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
Environmental precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods for cleaning up	Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7. Handling and storage

Handling	Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Storage	Store in accordance with local regulations. Store in original container in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

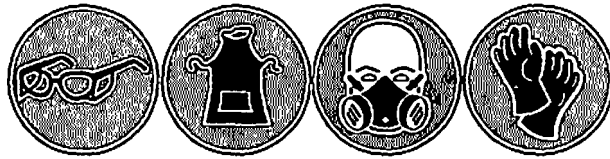
United States

Product name	Exposure limits
Silica crystalline, quartz	ACGIH TLV (United States, 1/2006). TWA; 0,025 mg/m ³ 8 hour(s). Form: Respirable fraction OSHA PEL Z3 (United States, 9/2005). TWA; 10 mg/m ³ 8 hour(s). Form: Respirable TWA: 30 mg/m ³ 8 hour(s). Form; Total dust. TWA; 250 MPPCF 8 hour(s). Form; Respirable
Portland cement mixture	ACGIH TLV (United States, 1/2006). TWA: 10 mg/m ³ 8 hour(s). NIOSH REL (United States, 1212001). TWA; 5 mg/m ³ 10 hour(s). Form: Respirable fraction TWA: 10 mg/m ³ 10 hour(s). Form: Total OSHA PEL (United States, 11/2006). TWA: 5 mg/m ³ 8 hour(s). Form: Respirable fraction TWA: 15 mg/m ³ 8 hour(s). Form; Total dust ACGIH TLV (United States, 1/2006).
Kaolin	TWA; 2 mg/m ³ 8 hour(s). Form; Respirable fraction NIOSH REL (United States, 1212001). TWA: 5 mg/m ³ 10 hour(s). Form: Respirable fraction TWA; 10 mg/m ³ 10 hour(s). Form; Total OSHA PEL (United States, 11/2006). TWA; 5 mg/m ³ 8 hour(s). Form; Respirable fraction TWA; 15 mg/m ³ 8 hour(s). Form: Total dust

Canada

Product name	Exposure limits
Silica crystalline, quartz	ACGIH TLV (United States, 1/2006). TWA: 0,025 mg/m ³ 8 hour(s). Form; Respirable fraction
Portland cement mixture	ACGIH TLV (United States, 1/2006). TWA; 10 mg/m ³ 8 hour(s).
Kaolin	ACGIH TLV (United States, 1/2006). TWA: 2 mg/m ³ 8 hour(s). Form: Respirable fraction

Engineering measures	Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
Eyes	Safety glasses.
Skin	Synthetic apron.
Respiratory	Dust respirator.
Hands	Nitrile gloves.



HMIS Code	F
Personal protective equipment	
Personal protection in case of a large spill	Wear appropriate personal protective equipment.

Hygiene measures	Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.
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9. Physical and chemical properties

Physical state	Solid.
Color	White, gray, or pigmented.
Solubility	Insoluble in water.

10. Stability and reactivity

Stability and reactivity	The product is stable.
Incompatibility with various substances	Reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerization	Will not occur.
Conditions of reactivity	None known.

11. Toxicological Information

Acute Effects	
Eyes	Corrosive to eyes. Causes burns.
Skin	Corrosive to the skin. Prolonged contact may cause burns.
Inhalation	Corrosive to the respiratory system. May cause sensitization by inhalation. Exposure to decomposition products <i>may</i> cause a health hazard. Serious effects may be delayed following exposure.
Ingestion	May cause burns to mouth, throat and stomach.
Potential chronic health effects	CARCINOGENIC EFFECTS; Classified 1 (Known to be human carcinogens.) by NTP, + (Proven.) by NIOSH [Silica crystalline, quartz]. Classified A2 (Suspected for humans.) by ACGIH, 2A (Probable for human.) by IARC [Silica crystalline, quartz]. Classified A4 (Not classifiable for humans or animals.) by ACGIH [Kaolin]. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available.
Target organs	Contains material which causes damage to the following organs; lungs, upper respiratory tract, skin, eye, lens or cornea, stomach.

12. Ecological Information

Environmental precautions	No known significant effects or critical hazards.
Products of degradation	Not applicable.

13. Disposal considerations

Waste disposal	The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
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14. Transport information

NAERG	: Not applicable.
Regulatory information	
UNI IMDG/IATA DOT/TOG	Not regulated.

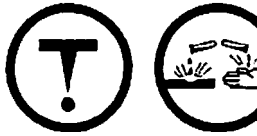
15. Regulatory information

United States	
HCS Classification	Corrosive material Sensitizing material Carcinogen Target organ effects
U.S. Federal regulations	United States inventory (TSCA 8b): All components are listed or exempted. SARA 3021304/311/312 extremely hazardous substances; No products were found. SARA 3021304 emergency planning and notification: No products were found. SARA 3021304/311/312 hazardous chemicals: Silica crystalline, quartz; Portland cement mixture; Kaolin; Calcium formate SARA 311/312 MSDS distribution - chemical inventory - hazard Identification; Silica crystalline, quartz; Immediate (acute) health hazard, Delayed (chronic) health hazard; Portland cement mixture; Immediate (acute) health hazard; Kaolin; Delayed (chronic) health hazard; Calcium formate: Immediate (acute) health hazard Clean Water Act (CWA) 307; No products were found.

State regulations

Clean Water Act (CWA) 311: No products were found.
 Clean Air Act (eM) 112 accidental release prevention; No products were found. Clean Air Act (CAA) 112 regulated flammable substances; No products were found. Clean Air Act (eAA) 112 regulated toxic substances; No products were found. Connecticut Carcinogen Reporting; None of the components are listed. Connecticut Hazardous Material Survey: None of the components are listed. Florida substances; None of the components are listed.
 Illinois Chemical Safety Act: None of the components are listed.
 Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
 Louisiana Reporting; None of the components are listed.
 Louisiana Spill: None of the components are listed.
 Massachusetts Spill; None of the components are listed.
 Massachusetts Substances; The following components are listed; Silica crystalline, quartz;Portland cement mixture
 Michigan Critical Material: None of the components are listed. Minnesota Hazardous Substances; None of the components are listed.
 New Jersey Hazardous Substances; The following components are listed; Silica crystalline. quartz;Portland cement mixture
 New Jersey Spill; None of the components are listed.
 New Jersey Toxic Catastrophe Prevention Act; None of the components are listed. New York Acutely Hazardous Substances; None of the components are listed. New York Toxic Chemical Release Reporting: None of the components are listed. Pennsylvania RTK Hazardous Substances; The following components are listed; Silica crystalline, quartz; Portland cement mixture;Kaolin
 Rhode Island Hazardous Substances; None of the components are listed.

WARNING: This product contains a chemical known to the State of California to cause cancer.

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Silica crystalline, quartz	Yes	No	No.	No.
Canada WHMIS (Canada)	Class D-2A; Material causing other toxic effects (Very toxic). Class E; Corrosive material			
Canada inventory	: Canada Inventory: At least one component is not listed in DSL but all such components are listed in NDSL. eEPA Toxic SUBstances: None of the components are listed. Canadian ARET: None of the components are listed. Canadian NPRI; None of the components are listed. Alberta Designated Substances: None of the components are listed. Ontario Designated Substances: None of the components are listed. Quebec Designated Substances: None of the components are listed.			

This product has been classified in accordance with the hazard criteria of the Canadian CPR, the United States OSHA . This MSDS contains all the Information required by the CPR, OSHA, the American National Standard Institute (ANSI) 2400.1 and NOM -018-STPS-2000.

Notice to reader

To the best of our knowledge the information contained herein is accurate. However Turley International Resources or any of its subsidiaries assumes no liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability and use of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that may exist.

