Safety Data Sheet (SDS)

Product: Adhered Masonry Stone Veneer (AMSV)

SDS No:	010	Preparation Date:	08/01/2015
Version No.:	1.0	Supersedes Date:	05/01/2010

SECTION 1. IDENTIFICATION OF THE MIXTURE AND SUPPLIER

1.1 Product Identifier:

Product name:	Adhered Masonry Stone Veneer
Product code:	Various
Formula:	Mixture

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant identified uses:	Interior or Exterior Wall or Surface Covering

1.3 Details of the supplier of the safety data sheet:

Manufacturer/Supplier	Baton LLC
Street Address	1301 West Kentucky Street
City/State/Country/Postcode	Louisville, KY, USA 40210
Customer service telephone:	502-566-6006

1.4 Emergency telephone number:

Emergency telephone number:	855-299-3845

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the mixture:

This product is an article as defined in the OSHA Hazard Communication Standard [29 CFR 1910.1200(c)] and is exempt from regulatory requirements when handled as a manufactured item. This SDS contains additional health hazard information related to dust generation during construction.

An SDS not is required for articles; however, this SDS is provided to communicate hazards associated where activities related to the Adhered Masonry Stone Veneer (cutting, grinding, crushing, drilling or breaking) may result in the release of a hazardous substance in DUST. AirStone is to be cut using a hand-held hacksaw to keep airborne silica levels below the PEL (Permissible Exposure Limit).

GHS Classification(s) for Adhered Masonry Stone Veneer according to OSHA Hazard Communication Standard (29 CFR 1910.1200) under normal handling conditions: None

GHS Classification(s) for dust generated from cutting, grinding, crushing, drilling or breaking of Adhered Masonry Stone Veneer according to OSHA Hazard Communication Standard (29 CFR 1910.1200) under use conditions that may result in the release of hazardous substances:

Skin Corrosion/Irritation, Category 2 (H315)
Eye Damage/Irritation, Category 2 (H319)
Specific Target Organ Toxicity-Repeated Exposure (STOT-RE), Category 1 (H372)

***Note**: The ASMV dust classifications are based on (1) individual ingredient classifications (i.e., Silica Sand [SiO_2], expanded clay, expanded glass, Portland Cement, slag, etc.), (2) the final chemical composition of the AMSV (based on cement chemistry) and (3) the form of the material (dust). Further, the Specific Target Organ Toxicity-Repeat Exposure is a conservative classification based on the potential presence of respirable crystalline silica. Baton LLC has not performed analysis for the presence of respirable crystalline silica under these handling conditions.*

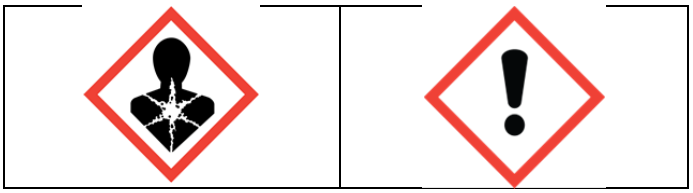
Additional information:
For full text of GHS Hazard statements (H-statements) and associated Precautionary statements (P-statements), see below.

2.2 Label elements

The Hazard Pictograms, Signal Word and Precautionary Statements only apply to activities that may release hazardous substances from the AMSV (i.e., cutting / grinding / crushing / drilling / breaking).

No Hazard Pictograms, Signal Word or Precautionary Statements are applicable to the Adhered Masonry Stone Veneer.

Hazard Pictograms that apply to the dust generated from cutting, grinding, crushing, drilling or breaking of the Adhered Masonry Stone Veneer:



Signal Word:	Danger
Hazard Statements:	H315: Causes skin irritation.
(For AMSV Dust Generated from Cutting, Grinding, Crushing, Drilling or Breaking)	H319: Causes eye irritation. H372: Causes damage to lungs through prolonged or repeated inhalation exposure.
Precautionary Statements:	P260: Do not breathe dust.
(For AMSV Dust Generated from Cutting, Grinding, Crushing, Drilling or Breaking)	P270: Do not eat, drink or smoke while using this product. P271: Use only outdoors or in a well-ventilated area. P264: Wash thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302 + P352: IF ON SKIN: Wash with plenty of water. P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

	P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards related to AMSV dust generated from cutting, grinding, crushing, drilling or breaking of adhered masonry stone veneer.

Listed Carcinogens: Silica dust (respirable, crystalline fraction) in the form of quartz.
IARC: Yes **NTP:** Yes **OSHA:** No **Other:** No (European Union)

Hazardous Properties: Dust generated from cutting, grinding, crushing, drilling or breaking may cause eye damage and skin irritation. May be irritating to respiratory tract. Respirable crystalline silica may cause damage to lungs upon repeated inhalation exposures.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Description of Product:
Concrete matrix article.

3.2 Mixture
Substances and hazard classification based on dust composition

Ingredient	Product Identifier (CAS No.)	%(w/w)	Classification (GHS-US)
Expanded glass	65997-17-3	10-20	• Respiratory Irritation, STOT 3, H335 • Eye Irritation 2B, H320
Expanded clay	68334-37-2	20-30	
Portland cement (cured)	65997-15-1	14-30	• Respiratory Irritation, STOT 3, H335 • Eye Irritation 2B, H320
Quartz	14808-60-7	10-25	• Carc. 1A, H350 • STOT Respiratory 2, H372
Slag (ferrous metal blast furnace)	65996-69-2	10-30	• Respiratory Irritation, STOT 3, H335 • Eye Irritation 2B, H320
Iron Oxide	1309-37-1	1.5	• Not classified
Note: This product contains additional not classified substances at low concentrations that do not contribute to the hazards of this product.			

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures:

Inhalation: If dust generated from cutting, grinding, crushing, drilling or breaking is inhaled, remove person to fresh air and keep comfortable for breathing. Get medical attention if respiratory symptoms persist.

Skin contact: If dust generated from cutting, grinding, crushing, drilling or breaking is on skin, wash with soap and water. Get medical advice/attention if irritation occurs/persists.

Eye contact: If dust generated from cutting, grinding, crushing, drilling or breaking is in eyes, rinse cautiously with water for several minutes. Get medical advice/attention if irritation occurs/persists.

Ingestion: No specific first aid measures are required.

4.2 Most important health effects related to AMSV dust generated from cutting, grinding, crushing, drilling or breaking, both acute and delayed:

Acute effects: Direct exposure to dust generated from cutting, grinding, crushing, drilling or breaking may cause eye damage/irritation, skin irritation and respiratory irritation. Dust can dry and irritate the skin and cause dermatitis. Can irritate eyes and skin through mechanical abrasion.

Delayed effects: Chronic exposure to inhaled dust generated from cutting, grinding, crushing, drilling or breaking may cause lung damage from repeated exposure. Chronic inhalation of dusts containing free crystalline silica may result in silicosis.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing Media:

Suitable extinguishing media: Product is not flammable. Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: Not applicable; the product is not flammable.

5.2 Special hazards arising from the substance or mixture:

Hazardous combustion products: None known.

5.3 Advice for firefighters:

Special protective equipment and precautions for firefighters: As with any fire, wear self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and full protective gear

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures associated with AMSV dust generated from cutting, grinding, crushing, drilling or breaking:

For Non-Emergency Personnel:

Protective equipment: In case of exposure to dust generated from cutting, grinding, crushing, drilling or breaking, wear specified protective equipment. (See Section 8).

Emergency procedures: Avoid the creation of dust generated from cutting, grinding, crushing, drilling or breaking. Use scooping, water/flushing/misting or vacuum cleaning systems. Wet methods of cutting, grinding, crushing, drilling or breaking are the preferred method of controlling dust.

For Emergency Responders:

Protective equipment: In case of exposure to dust generated from cutting, grinding, crushing, drilling or breaking, wear specified protective equipment. In case of fire, use self-contained breathing apparatus with full face mask.

6.2 Environmental Precautions

Discard any product or dust residue in compliance with local regulations.

6.3 Methods and material for containment and cleaning up:

For containment and cleaning up: After cutting, grinding, crushing, drilling or breaking activities, use scooping, water spraying/flushing/misting or ventilated vacuum cleaning system to clean up dust generated from cutting, grinding, crushing, drilling or breaking. Use closed containers. Do not use pressurized air to clean dust.

Other information: Take measures to avoid dust formation during cutting, grinding, crushing, drilling or breaking activities.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Protective measures: Avoid contact with dust generated from cutting, grinding, crushing, drilling or breaking with skin, eyes, and clothing. Avoid breathing dust. Wash thoroughly after handling. Wet methods of cutting, grinding, crushing, drilling or breaking are the preferred method of controlling dust.

Measures to prevent fires: Not applicable; material is non-flammable.

Measures to prevent dust generation: Vacuum, scoop, or use water mist/spray/flush to remove generated dust during cutting, grinding, crushing, drilling or breaking activities. Do not use pressurized air. Wet methods of cutting, grinding, crushing, drilling or breaking are the preferred method of controlling dust.

Measures to protect the environment: Not applicable; material is not an environmental hazard.

Advice on general occupational hygiene: Practice good housekeeping. Avoid formation of dust generated from cutting, grinding, crushing, drilling or breaking. Do not breathe dust. Use adequate exhaust ventilation, dust collection and/or water mist to maintain airborne dust concentrations below permissible exposure limits. Respirable crystalline silica dust may be in the air without a visible dust cloud. In case of insufficient ventilation, wear a NIOSH approved respirator for silica dust when using, handling, storing or disposing dust from this product. Do not permit dust to collect on walls, floors, sills, ledges, machinery, or equipment. Maintain and test ventilation and dust collection equipment. Wash or vacuum clothing that has become dusty. Avoid eating, smoking, or drinking while handling the material.

7.2 Conditions for safe storage, including any incompatibilities:

Storage conditions: Minimize dust produced during loading and unloading.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure Limits

The following exposure limits are based on a time-weighted full-shift exposure, unless otherwise noted

Ingredient	OSHA PEL[(1)]	ACGIH-TLV[(2)]	Other[(3)(4)]
Expanded glass	15 mg/m^3 (total dust); 5 mg/m^3 (respirable fraction)	10 mg/m^3 (total dust); 5 mg/m^3 (respirable fraction)	
Expanded clay	15 mg/m^3 (total dust); 5 mg/m^3 (respirable fraction)	10 mg/m^3 (total dust); 3 mg/m^3 (respirable fraction)	
Portland cement	15 mg/m^3 (total dust); 5 mg/m^3 (respirable fraction)	1 mg/m^3 (respirable fraction containing no asbestos and < 1% crystalline silica)	NIOSH REL – 10 mg/m^3 (total dust); 5 mg/m^3 (respirable fraction)
Quartz	30 mg/m^3 ÷ % SiO_2 +2 (total dust) 10 mg/m^3 ÷ % SiO_2 +2 (respirable fraction)	0.025 mg/m^3 (respirable fraction)	NIOSH REL – 0.05 mg/m^3 (respirable fraction)
Slag	Not established	Not established	
Iron oxide	Fume: 10 mg/m^3 (total dust); Particulate: 15 mg/m^3 (total dust); 5 mg/m^3 (respirable fraction)	5 mg/m^3 (respirable dust)	NIOSH REL – 5 mg/m^3 (total dust)

NOTES:

1. OSHA PEL (Permissible Exposure Level at 29 CFR 1910.1000)
2. ACGIH-TLV (American Conference of Governmental Industrial Hygienists-Threshold Limit Values 2015)
3. NIOSH REL (National Institute for Occupational Safety & Health Recommended Exposure Limit)
4. Canadian Provincial and other national control parameters are listed on the Supplement

8.2 Exposure controls:

8.2.1. Exposure Controls

Engineering controls: Ventilation should be adequate to maintain the ambient workplace atmosphere below the exposure limit(s). Use general and local exhaust ventilation and dust collection systems as necessary to minimize exposure to dust generated from cutting, grinding, crushing, drilling or breaking. Wet methods of cutting, grinding, crushing, drilling or breaking are the preferred method of controlling dust.

8.2.2. Personal Protective Equipment

Respiratory protection: Wear a NIOSH/MSHA approved particulate respirator if exposure to dust generated from cutting, grinding, crushing, drilling or breaking is unavoidable and where occupational exposure limits may be exceeded. If airborne dust exposures exceed the PEL or TLV, a self-contained breathing apparatus or airline respirator is recommended.

Eye and face protection: If eye contact with dust generated from cutting, grinding, crushing, drilling or breaking is anticipated, wear protective glasses with side shields. Avoid contact lenses.

Hand and skin protection: Wear gloves and protective clothing to minimize skin contact with dust generated from cutting, grinding, crushing, drilling or breaking. Wash hands with soap and water after contact with material.

Foot protection: Wear American National Standards Institute (ANSI) approved hard-toed safety shoes when handling AMSV.

8.2.3. Environmental Exposure Controls

Instructions to prevent exposure: No special requirements. Discard any product or dust residue in compliance with local regulations. Wet methods of cutting, grinding, crushing, drilling or breaking are the preferred method of controlling dust.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Property	Value	**Property**	Value
Appearance:	Simulated Stone	**Lower Explosive Limit (LEL):**	Not applicable
Odor	Odorless	**Vapor Pressure (Pa):**	Not applicable
Odor threshold	Not applicable	**Vapor Density:**	Not applicable
pH (25°C):	Not available	**Relative Density/Specific Gravity:**	1.4 – 1.6
Melting/Freezing Point (°C):	Not applicable	**Water Solubility:**	Negligible
Initial Boiling Point (°C):	Not applicable	**Partition Coefficient: *n*-octanol/water:**	Not applicable

Property	Value	Property	Value
Boiling Range (°C):	Not applicable	**Auto-ignition Temperature (°C):**	Not applicable
Flash Point(°C):	Not applicable	**Decomposition Temperature (°C):**	Not available
Evaporation Rate:	Not applicable	**Viscosity:**	Not applicable
Flammability (solid, gas):	Not combustible	**Explosive Properties:**	Not applicable
Upper Explosive Limit (UEL)	Not applicable	**Oxidizing Properties:**	Not applicable

SECTION 10. STABILITY AND REACTIVITY

10.1	**Reactivity**	Stable inert material
10.2	**Chemical stability**	Stable inert material
10.3	**Possibility of hazardous reactions**	None known.
10.4	**Conditions to avoid**	None known
10.5	**Incompatible materials**	None known
10.6	**Hazardous decomposition products**	None known

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Acute toxicity: No data is available on the AMSV dust generated from cutting, grinding, crushing, drilling or breaking. No ingredients within the mixture exhibit acute toxicity.

Skin corrosion/irritation: Contact with dust may cause skin irritation.

Serious eye damage / irritation: Eye Irritant. Eye contact with dust generated from cutting, grinding, crushing, drilling or breaking may cause eye irritation.

Respiratory or skin sensitization: No data is available on the AMSV dust generated from cutting, grinding, crushing, drilling or breaking. No ingredients exhibit sensitization effects.

Germ cell mutagenicity: No data is available on the AMSV dust generated from cutting, grinding, crushing, drilling or breaking. No ingredients exhibit mutagenic effects.

Carcinogenicity: No data is available on the AMSV dust generated from cutting, grinding, crushing, drilling or breaking. Crystalline silica (respirable) has been identified as a carcinogen by IARC and NTP.

Reproductive toxicity: No data is available on the AMSV dust generated from cutting, grinding, crushing, drilling or breaking. No ingredients exhibit reproductive toxicity.

STOT single exposure: No data is available on the AMSV dust generated from cutting, grinding, crushing or drilling.

STOT repeated exposure: No data is available on the repeated inhalation of AMSV dust generated from cutting, grinding, crushing, drilling or breaking. Repeated inhalation of AMSV dust generated from cutting, grinding, crushing or breaking may cause lung damage if respirable srystalline silica is present. Crystalline silica (respirable) has been shown to cause silicosis after repeated exposure.

Aspiration hazard: Not applicable, the material is not a liquid.

SECTION 12. ECOLOGICAL INFORMATION

No data available on the AMSV dust generated from cutting, grinding, crushing, drilling or breaking.

SECTION 13. DISPOSAL CONSIDERATIONS

Considered a non-hazardous waste. Follow applicable federal, state and local regulations.

SECTION 14. TRANSPORT INFORMATION

Regulatory Entity

US DOT	Shipping Name	Not regulated
	Hazard Class	Not regulated
	ID Number	Not regulated
	Packing Group	Not regulated

SECTION 15. TOXICOLOGICAL INFORMATION

15.1 Safety, health and environmental regulations / legislation specific to the mixture:

United States Regulations

Toxic Substances Control Act (TSCA) Inventory Status	All components of this product are listed on the TSCA Inventory or are exempt from listing.	
SARA (Section 311/312)	Reactive Hazard	No
	Pressure Hazard	No
	Fire Hazard	No
	Immediate/Acute Toxicity	No
	Delayed/Chronic Toxicity	Yes – respirable crystalline silica
SARA Section 313 Information:	This product does not contain any toxic chemicals listed under 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA).	
Clean Air Act (CAA)	This product does not contain any toxic chemicals listed under the CAA at concentrations greater than 0.1%.	
	VOC Content (weight %).	0 wt. %

United States Regulations		
Volatile Organic Compounds (VOCs)	Remarks:	Estimated
State Right-to-Know Status	California Prop. 65:	Crystalline Silica.
Massachusetts:		Silica, Crystalline-Quartz; Calcium oxide; Calcium carbonate (Limestone); Portland cement; Iron oxide dust.
New Jersey		Silica, Crystalline-Quartz; Calcium oxide; Calcium carbonate (Limestone); Cement, Portland, Chemicals; Iron oxide.
Pennsylvania:		Quartz (silica dioxide); Calcium oxide; Calcium carbonate (Limestone); Cement, Portland, Chemicals; Iron oxide.

SECTION 16. OTHER INFORMATION

16.1 Indication of changes:
Initial SDS prepared on 04-07-2015; Revised 12/07/2015

16.2 Abbreviations and acronyms:
AMSV Adhered Masonry Stone Veneer
ANSI: American National Standards Institute
CAA: Clean Air Act
Cal/OSHA: California Department of Industrial Relations - Division of Occupational Safety and Health
CAS: Chemical Abstract Service Registry Number
CFR: Code of Federal Regulations
CWA: Clean Water Act
GHS: Globally Harmonized System of Classification and Labeling
HMIS: Hazardous Materials Identification System
IARC: International Agency for Research on Cancer
LEL: Lower explosive limit
MSHA: Mine Safety and Health Administration
NA: Not Applicable
NIOSH: National Institute of Occupational Safety and Health
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
Pa: Pascal
PEL: Permissible exposure limit
SARA: Superfund Amendments and Reauthorization Act
SDS: Safety data sheet
STEL: Short-term exposure limit
STOT-RE: Specific target organ toxicity-repeated exposure
STOT-SE: Specific target organ toxicity-single exposure
TLV: Threshold limit value
TSCA: Toxic Substances Control Act
TWA: Time-weighted average
UEL: Upper explosive limit
USA: United States of America
US DOT: United States of Department of Transportation
VOC: Volatile organic compound

16.3 Other hazards: Hazardous Materials Identification System (HMIS) Degree of hazard: 0 = low, 4 = extreme

Health:	1*	**Flammability:**	0	**Reactivity:**	0

** Dust generated from cutting, grinding, crushing, drilling or breaking activities may result in a chronic health hazard (Category 3 Health Hazard)*

Personal Protection: B

Disclaimer:

This SDS has been prepared in accordance with the Hazard Communication Rule 29 CFR 1910.1200. Information herein is based on data considered to be accurate as of date prepared. No warranty or representation, express or implied, is made as to the accuracy or completeness of this data and safety information. No responsibility can be assumed for any damage or injury resulting from abnormal use, failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.

— End of Safety Data Sheet (SDS) —