

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 09/18/2017

Reviewed on 09/18/2017

1 Identification

- **Product Identifier**
- **Trade name: Cast Stone**
- **Relevant identified uses of the substance or mixture and uses advised against:**
Cast Stone is a Portland cement-based product.
- **Product Description**
Cast Stone is a refined masonry product created to simulate natural cut stone. Cast stone can be used as an architectural feature, trim, or ornament for buildings or structures.
- **Application of the substance / the mixture:**
Apply undiluted Spectrum Bonding Agent and Acrylic Admixture to a properly prepared surface using a paint brush, broom or roller.
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
AHI Supply, LP.
2800 N Gordon
Alvin, TX 77511
Corp. 281-388-4500
Fax 281-331-9813
www.ahi-supply.com
- **Emergency telephone number:** CHEMTREC, USA: (800) 424 9300

2 Hazard(s) Identification

- **Classification of the substance or mixture:**
The product does not need classification according to OSHA HazCom Standard 29 CFR paragraph (d) of §1910.1200(g) and GHS Rev 03.
- **Label elements:**
- **GHS label elements:** Non-Regulated Material
- **Hazard pictograms:** Non-Regulated Material
- **Signal word:** Non-Regulated Material
- **Hazard statements:** Non-Regulated Material
- **Unknown acute toxicity:**
30 % of the mixture consists of component(s) of unknown toxicity.
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Physical Hazard = 0

- **Hazard(s) not otherwise classified (HNOC):** None known

* 3 Composition/Information on Ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture: consisting of the following components.

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· Dangerous Components:		
CAS: 7631-86-9	Silicon Dioxide ⚠ Skin Irrit. 2, H315; STOT SE 3, H335; Eye Irrit. 2B, H320	15-60%
CAS: 65997-15-1 RTECS: VV 8770000	Cement, portland, chemicals ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	10-30%

· Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

*** 4 First-Aid Measures****· Description of first aid measures:****· After inhalation:**

Not expected as a result of exposure to finished product.

Remove to fresh air. Dust in throat and nasal passages should clear spontaneously. Seek medical attention for discomfort or if coughing or other symptoms do not subside.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact:

Not expected as a result of exposure to finished product.

If skin irritation occurs, consult a doctor.

· After eye contact:

Not expected as a result of exposure to finished product.

Do NOT rub eyes. Immediately rinse opened eye(s) for at least 15 minutes under running water, lifting upper and lower lids occasionally. If symptoms persist, consult a physician.

· After swallowing:

Not expected as a result of exposure to finished product.

Rinse out mouth and then drink plenty of water.

Do not induce vomiting without medical advice.

If vomiting does occur, repeat fluid administration

If symptoms develop and/or persist, seek medical attention.

· Information for doctor:

· Most important symptoms and effects, both acute and delayed: No further relevant information available.

· Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

5 Fire-Fighting Measures**· Extinguishing media:****· Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· Special hazards arising from the substance or mixture: No further relevant information available.

· Advice for firefighters:**· Protective equipment:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental Release Measures**· Personal precautions, protective equipment and emergency procedures:**

Avoid formation of dust.

Avoid breathing dust.

· Environmental precautions: No special measures required.

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- **Methods and material for containment and cleaning up:**

Pick up mechanically.

Powder and fragments should be cleaned up using a method that will avoid the generation of dust in the workplace atmosphere. The use of a vacuum cleaner fitted with an exhaust air filter fine enough to trap the dust is recommended.

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Dispose of the collected material according to regulations.

- **Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and Storage

- **Handling**

- **Precautions for safe handling:**

Prevent formation of dust.

Avoid breathing dust.

- **Information about protection against explosions and fires:** No special measures required.

- **Conditions for safe storage, including any incompatibilities:**

Cement dissolved in hydrofluoric acid, producing corrosive silicon tetrafluoride as. Silicates react with powerful oxidizers such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride, and oxygen difluoride.

- **Storage**

- **Requirements to be met by storerooms and receptacles:** No special requirements.

- **Information about storage in one common storage facility:** Keep material dry.

- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

- **Specific end use(s):** No further relevant information available.

8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see section 7.

- **Control parameters:**

- **Components with occupational exposure limits:**

7631-86-9 Silicon Dioxide

ACGH Short-term value: 3 mg/m³

Long-term value: 10 mg/m³

IDLH Short-term value: 3000 mg/m³

Long-term value: 4 E mg/m³

IDLH: Immediately dangerous to life or health

TWA Short-term value: 6 mg/m³

Long-term value: 4 E mg/m³

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PEL Long-term value: 50 mppcf or 15* 5** mg/m³

*total dust **respirable fraction

REL Long-term value: 10* 5** mg/m³

*total dust **respirable fraction

TLV Long-term value: 1* mg/m³

E; *as respirable fraction

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- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.
- **Exposure controls:**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Avoid contact with the eyes.
Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Eye protection:** Not required.
- **Body protection:** Not required.

9 Physical and Chemical Properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - **Form:** Solid
 - **Color:** Grey
- **Odor:** Odorless
- **Odor threshold:** Not determined.
- **pH-value:** Not applicable.
- **Change in condition**
 - **Melting point/Melting range:** Not determined.
 - **Boiling point/Boiling range:** > 1000°C (°F)
- **Flash point:** None
- **Flammability (solid, gaseous):** Product is not flammable.
- **Ignition temperature:** Not applicable
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
 - **Lower:** Not determined.
 - **Upper:** Not determined.
- **Vapor pressure @ 20°C (68 °F):** 23 hPa (mm Hg)
- **Density @ 20°C (68 °F):** 3.0 - 3.2 g/cm³ (lbs/gal)
- **Relative density:** Not determined.
- **Vapor density:** Not applicable.
- **Evaporation rate:** Not applicable.
- **Solubility in / Miscibility with:**
 - **Water:** Insoluble.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - **Dynamic:** Not applicable.
 - **Kinematic:** Not applicable.

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- **Solvent content:**
- Organic solvents:** 0.0 %
- **Other information:** No further relevant information available.

10 Stability and Reactivity

- **Reactivity:** Stable under normal conditions.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:**
Wet cement is alkaline and is incompatible with acids, ammonium salts, and aluminum metal. Cement dissolved in hydrofluoric acid, producing corrosive silicon tetrafluoride as. Cement reacts with water to form silicates and calcium hydroxide. Silicates react with powerful oxidizers such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride, and oxygen difluoride.
- **Hazardous decomposition products:** No dangerous decomposition products known.

***11 Toxicological Information**

- **Information on toxicological effects:**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

7631-86-9 Silicon Dioxide

Oral	LD50	10000 mg/kg (Rat) (OECD 401)
Dermal	LD50	5000 mg/kg (Rabbit) (OECD 402)
Inhalative	LC50/4 h	>140->2000 mg/l (Rat) (OCED 403) Maximum attainable concentration, mortality does not appear. 10000 mg/l (Zebra fish) (OECD 203)

- **Primary irritant effect:**
- **On the skin:** Not expected as a result of exposure to finished product.
- **On the eye:** Direct contact may cause eye irritation.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
- **Carcinogenic categories:**
- **IARC (International Agency for Research on Cancer):**
Group 1 - Carcinogenic to humans
Group 2A - Probably carcinogenic to humans
Group 2B - Possibly carcinogenic to humans
Group 3 - Not classifiable as to its carcinogenicity to humans
Group 4 - Probably not carcinogenic to humans

7631-86-9 Silicon Dioxide

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- **NTP (National Toxicology Program):**

None of the ingredients are listed.

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<ul style="list-style-type: none"> · OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

12 Ecological Information

- **Toxicity:**

- **Aquatic toxicity:**

7631-86-9 Silicon Dioxide

EC50 >1000 mg/l (Daphnia) (OECD 202)

- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Generally not hazardous for water.
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

13 Disposal Considerations

- **Waste treatment methods:**
Dispose of as an inert, non-metallic mineral in accordance with applicable federal, state, and local regulations.
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Avoid creating or breathing dust during disposal.
Avoid contact with the eyes.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport Information

- | | |
|-------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| <ul style="list-style-type: none"> · UN-Number: | Non-Regulated Material |
| <ul style="list-style-type: none"> · DOT, ADR/ADN, ADN, IMDG, IATA | Non-Regulated Material |
| <ul style="list-style-type: none"> · UN proper shipping name: | Non-Regulated Material |
| <ul style="list-style-type: none"> · DOT, ADR/ADN, ADN, IMDG, IATA | Non-Regulated Material |
| <ul style="list-style-type: none"> · Transport hazard class(es): | Non-Regulated Material |
| <ul style="list-style-type: none"> · DOT, ADR/ADN, ADN, IMDG, IATA | Non-Regulated Material |
| <ul style="list-style-type: none"> · Class: | Non-Regulated Material |
| <ul style="list-style-type: none"> · Packing group: | Non-Regulated Material |
| <ul style="list-style-type: none"> · DOT, ADR/ADN, IMDG, IATA | Non-Regulated Material |
| <ul style="list-style-type: none"> · Environmental hazards: | Not applicable. |
| <ul style="list-style-type: none"> · Special precautions for user: | Not applicable. |
| <ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: | Not applicable. |
| <ul style="list-style-type: none"> · UN "Model Regulation": | Non-Regulated Material |

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- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- **SARA (Superfund Amendments and Reauthorization):**

- **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed or exempt from listing.

- **California Proposition 65:**

- **Chemicals known to cause cancer:**

None of the ingredients are listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

- **New Jersey Right-to-Know List:**

65997-15-1 Cement, portland, chemicals

- **New Jersey Special Hazardous Substance List:**

None of the ingredients are listed.

- **Pennsylvania Special Hazardous Substance List:**

None of the ingredients are listed.

- **Carcinogenic categories:**

- **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

- **TLV (Threshold Limit Value established by ACGIH):**

None of the ingredients are listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

- **GHS label elements** Non-Regulated Material
- **Hazard pictograms:** Non-Regulated Material
- **Signal word:** Non-Regulated Material
- **Hazard statements:** Non-Regulated Material

- **National regulations:**

None of the ingredients are listed.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other Information

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· **Date of preparation / last revision:** 09/18/2017 / -

· **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
 ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 ACGIH: American Conference of Governmental Industrial Hygienists
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 NIOSH: National Institute for Occupational Safety and Health
 OSHA: Occupational Safety & Health Administration
 TLV: Threshold Limit Value
 PEL: Permissible Exposure Limit
 REL: Recommended Exposure Limit
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B
 Skin Sens. 1: Skin sensitisation – Category 1
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

· *** Data compared to the previous version altered.**

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