

# SAFETY DATA SHEET

## Section 1. IDENTIFICATION

**Product Identifier:** Gay, MI Stamp Sand  
**Other Identification:** Copper Stamp Sand  
**Product Family:** Crushed Basaltic Rock  
**Recommended Use:** Fine-Stone Aggregate, multi-use  
**Restrictions on Use:** Use only as directed

**Manufacturer:** Superior Stone and Aggregate, LLC  
*Corporate:*  
42850 Garfield, Suite 104  
Clinton Twp, MI 48038

Date: 03/19

### **For Additional Information, Contact:**

**Company:** Superior Stone and Aggregate, LLC  
**Contact Person:** Joseph Ciaramitaro  
**Phone:** (586) 286-4454  
**Emergency Phone No.:** CHEMTREC (Canada & USA) 1-800-424-9300, 24 Hours  
CHEMTREC (outside North America), 1-703-527-3887, 24 Hours

## Section 2: HAZARDS IDENTIFICATION

**GHS Classification:** Non Hazardous

**GHS Label Elements:** None

Proper precautions should be taken to avoid any health hazard. A health hazard may occur if limits for air contaminants exceed PEL limits as per 29 CFR 1910.1000. Proper engineering controls and ventilation should be used to prevent air contaminants from exceeding PEL limits. (For information on potentially hazardous elements refer to page 3.)

Usual Route(s) of Entry: Inhalation

Medical Condition Possibly

Aggravated: Chronic diseases or disorders of the respiratory system.

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition: Basaltic Rock (granulated)

<i>Component</i>	<i>CAS #</i>	<i>Typical % Weight</i>
Alumina, (Al <sub>2</sub> O <sub>3</sub> )	1344-28-1	13.81
Calcium oxide, (CaO)	1305-78-8	8.09
Iron Oxide, (Fe <sub>2</sub> O <sub>3</sub> )	1309-37-1	12.10
Magnesium Oxide, (MgO)	1309-48-4	4.07
Manganese Oxide, (MnO <sub>2</sub> )	1313-13-9	0.16
Phosphorous Pentoxide, (P <sub>2</sub> O <sub>5</sub> )	1314-56-3	0.28
Potassium oxide (K <sub>2</sub> O)	12136-45-7	0.087
Silicon Dioxide, (SiO <sub>2</sub> )	7631-86-9	48.19
Sodium Oxide, (Na <sub>2</sub> O)	1313-59-3	3.45
Titanium Dioxide, (TiO <sub>2</sub> )	13463-67-7	2.59

<i>Component</i>	<i>CAS #</i>	<i>ppm</i>
Antimony, (Sb)	7440-36-0	2.45
Arsenic, (As)	7440-38-2	< 0.05
Barium, (Ba)	7440-39-3	17.98
Boron, (B)	7440-42-8	268

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Cadmium (Cd)	7440-43-9	0.5
Cerium, (Ce)	7440-45-1	30.0
Chromium, (Cr)	7440-47-3	25.4
Cobalt, (Co)	7440-48-4	19.98
Copper, (Cu)	7440-50-8	2985
Lead, (Pb)	7439-92-1	1.05
Mercury, (Hg)	7439-97-6	<0.05
Molybdenum, (Mo)	7439-98-7	230.6
Nickel, (Ni)	7440-02-0	20.1
Strontium, (Sr)	7440-24-6	40.6
Tin, (Sn)	7440-31-5	<0.05
Vanadium, (V)	7440-52-2	198
Zinc, (Zn)	7440-66-6	440

## Section 4: FIRST AID MEASURES

Eye Contact: Not anticipated to pose an acute or significant eye contact hazard. In the event of eye contact flush eyes with generous amounts of water. Dust particles may cause mechanical irritation injury.

Skin Contact: Not anticipated to pose an acute or significant skin contact hazard. Wash with soap and water as needed to remove from skin. Dust or powder may irritate the skin.

Inhalation: Not anticipated to pose an acute or significant inhalation hazard if proper work practices are employed to maintain dust exposure below OSHA PEL's. If overexposure occurs, remove individual to area with fresh air until symptoms cease.

Ingestion: Not anticipated under normal working conditions.

### Medical Conditions Generally Aggravated By Exposure:

Dust may aggravate preexisting eye, throat, skin or lung conditions.

### Carcinogenicity:

OSHA: No

NTP: No

IARC: No

## Section 5: FIRE FIGHTING MEASURES

<u>Flash Point:</u>	NA	<u>Lower Explosive Limit:</u>	NA
<u>Auto-ignition Temperature:</u>	NA	<u>Upper Explosive Limit:</u>	NA
<u>Fire Hazard:</u>	NA	<u>Explosion Hazard:</u>	NA
<u>Extinguishing Media:</u>	NA	<u>Special Fire Fighting Procedures:</u>	NA
<u>Unusual Fire and Explosion Hazards:</u>	NA		

### **Extinguishing Media**

Not combustible. Use extinguishing agent suitable for surrounding fire.

### **Special Hazards Arising from the Chemical.**

Does not burn.

This product presents no unusual hazards in a fire situation.

Not known to generate any hazardous decomposition products in a fire.

### **Special Protective Equipment and Precautions for fire-fighters**

No special precautions are necessary.

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## Section 6: ACCIDENTAL RELEASE MEASURES

Procedures to follow if Material is Released or Spilled: Using appropriate personnel protective equipment, material should be swept or vacuumed or otherwise collected into appropriate containers. Waste Disposal Method(s): Landfill disposal or other methods that are in accordance with local, state and federal regulations. Superior testing has shown that virgin (unused and uncontaminated) material does not exceed the Toxicity Characteristic Leaching Procedure (TCLP) hazardous waste limits per 40 CFR 261.3. Used or contaminated material should be tested in accordance with 40 CFR 262.11 or any applicable local or state regulations to determine if it is a hazardous waste and disposed of accordingly.

## Section 7: HANDLING AND STORAGE

Handling Procedures: Use care to minimize airborne dust generation during handling, and use adequate ventilation and/or dust collection.

Storage: Keep product dry.

## Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls (Ventilation, etc.): Ventilation should be sufficient to maintain dust levels below applicable exposure limit.

Work Practices (Handling and Storage, etc.): Avoid creating airborne dust during handling and use.

Eye Protection: Safety glasses, goggles or face shields are recommended when dust levels are excessive.

Skin Protection: Gloves and long-sleeved clothing are recommended when dust levels are excessive.

Respiratory Protection: When engineering controls are not sufficient to lower dust levels below the applicable exposure limit, use a NIOSH-approved respirator. NIOSH-approved respirators should be used in accordance with 29 CFR 1910.134 (OSHA Respiratory Protection Program). **See Section 2 Hazards Identification Table.**

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## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<u>Physical State:</u>	Solid, Granular	<u>Bulk Density (loose):</u>	96-101 lbs/ft <sup>3</sup>
<u>Specific Gravity:</u>	2.70 g/cm <sup>3</sup>	<u>pH:</u>	7.6
<u>Appearance/ Odor:</u>	Ancient Purple, Odorless	<u>Vapor Pressure:</u>	NA
<u>Boiling Point:</u>	NA	<u>Vapor Density:</u>	NA
<u>Melting Point:</u>	Over 2000° F	<u>Evaporation Rate:</u>	NA

## Section 10: REACTIVITY DATA

<u>Stability:</u>	Stable
<u>Incompatibilities (Materials to Avoid):</u>	Strong mineral acids (HNO <sub>3</sub> , HCl, H <sub>2</sub> SO <sub>4</sub> )
<u>Hazardous Thermal Decomposition Products:</u>	None Expected
<u>Polymerization:</u>	Will not occur

## Section 11: TOXICOLOGICAL INFORMATION

Proper precautions should be taken to avoid any health hazard. A health hazard may occur if limits for air contaminants exceed PEL limits as per 29 CFR 1910.1000. Proper engineering controls and ventilation should be used to prevent air contaminants from exceeding PEL limits. (See below for information on potentially hazardous elements)

<u>Usual Route (s) of Entry:</u>	Inhalation of dust during handling or use
<u>Medical Conditions Possibly Aggravated By Exposure:</u>	Chronic diseases or disorders of the respiratory system.

Eye Contact: Not anticipated to pose an acute or significant eye contact hazard. In the event of eye contact, flush eyes with generous amounts of water.

Skin Contact: Not anticipated to pose an acute or significant skin contact hazard. Wash with soap and water as needed to remove from skin

Inhalation: Not anticipated to pose an acute or significant inhalation hazard if proper work practices are employed to maintain dust exposure below OSHA PEL's. If overexposure occurs, remove individual to area with fresh air until symptoms cease.

Ingestion: Not considered to be an ingestion hazard.

## Section 12: ECOLOGICAL INFORMATION

Procedures to follow if Material is Released or Spilled: Using appropriate personnel protective equipment, material should be shoveled, swept, vacuumed or otherwise collected into appropriate containers.

Landfill disposal or other methods that are in accordance with local, state and federal regulations. Superior testing as shown that virgin (unused and uncontaminated) material does not exceed the Toxicity Characteristic Leaching Procedure (TCLP) hazardous waste limits per 40 CFR 261.3. Used or contaminated material should be tested in accordance with 40 CFR 262.11 or any applicable local or state regulations to determine if it is a hazardous waste and disposed of accordingly.

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## Section 13: DISPOSAL CONSIDERATIONS

Landfill disposal or other methods that are in accordance with local, state and federal regulations. Superior testing as shown that virgin (unused and uncontaminated) material does not exceed the Toxicity Characteristic Leaching Procedure (TCLP) hazardous waste limits per 40 CFR 261.3. Stamp Sand is listed as an approved aggregate in the state of Michigan Aggregate Source Index (ASI) 42-033. Used or contaminated material should be tested in accordance with 40 CFR 262.11 or any applicable local or state regulations to determine if it is a hazardous waste and disposed of accordingly.

## Section 14: TRANSPORT INFORMATION

### DOT

Not regulated as a hazardous material by MDOT (MI).

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

### TDG

Not regulated as dangerous goods.

## Section 15: REGULATORY INFORMATION

See above

## Section 16: OTHER INFORMATION

NFPA Ratings: Abbreviations: NA = Not Applicable.



## DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

We believe that Superior Aggregate and Sand, LLC (Superior) Stamp Sand material is not hazardous as defined by the U.S. Federal Occupational Safety and Health Hazard Communication Standard 29 CFR 1910.1200 (c). However, this should not be construed as a warranty that any Superior product is or is not a hazardous chemical under any applicable safety, or environmental statute, rule, or regulation. The use or application of any Superior product, whether or not used in conjunction with any other product, may result in the violation of safety or environmental statutes, rules or regulations as Superior has no control over how the Superior product is used, nor the possible contaminants that may exist on the surface to which it is applied. Therefore, there shall be no express or implied warranty that the spent Superior product conforms with applicable safety and/or environmental statutes, rules or regulation. All sales of this product are subject to Superior's standard terms and conditions of sale. Further, Superior makes no warranties as to any of its products, express or implied, including the Implied Warranty of Merchantability, any implied warranty of fitness for a particular purpose or any implied warranties otherwise arising from course of dealing or trade. By acceptance of any Superior product, the buyer thereof agrees that Superior's liability for any claim for damages, including, but not limited to, remediation or cleanup costs shall not exceed the value of the goods provided. This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assume the risk of his use thereof, including any environmental restrictions or prohibitions that may apply.