



## TECHNICAL DATA • MATERIAL SAFETY DATA SHEET

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This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). Where a proprietary ingredient is shown, the identity may be made available as provided in this standard.

All components of this product are included in the EPA Toxic Substance Control Acts (TSCA) Chemical Substance Inventory.

Cement Type 1 is guaranteed, when shipped to meet the requirements of ASTM Specifications C-150 and ASHTO Specifications M-85

### 1. PRODUCT NAME: CENTURION STONE

Chemical Family: Inorganic Manufactured Stone, Inorganic Metal Oxide and Cement Dispersing Agent.

### 2. HAZARDOUS INGREDIENTS:

	CASNO	TLV	PEL	%
CALCIUM NITRATE	0124-37-5	N/A	N/A	.25
SODIUM THIOCYANATE	540-72-7	N/A	N/A	.25
CRYSTALLINE SILICA	140-60-7	0.1mg/m <sup>3</sup>	0.1mg/m <sup>3</sup>	.25
MANGANITE	1317-34-6	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>	.25

### 3. PHYSICAL DATA:

Boiling Point.../Av Point ("C)...N/Av	Odor.....Odorless
Percent Volatile....N/Av	Appearance....Solid, many colors
Freezing Point...N/Av	Specific Gravity..... 3.0 to 3.6 (68'f)
Vapor Pressure...N/Av	Solubility in Water.... Insoluable
Vapor Density..... Not a Vapor	Evaporation Rate..... N/Av
PH.....ca. 6.5	Physical State..... Dry Stone/Solid

N/Av=Not Available

N/Av= Not Applicable

ca.=Approximate

### 4. FIRE & EXPLOSION HAZARD DATA:

Flash Point...Non Flammable                      Method....N/Av

Auto-Ignition Temperature...N/Av              UEL.....N/Av

LEL.....N/Av

Extinguishing Media: This material does not give a flash point by conventional test methods. Use extinguishing agent suitable for type of surrounding fire.

Fire Fighting Instructions: Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes and smoke inhalation.

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**CENTURION<sup>®</sup>**  
**STONE**

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### 5. STABILITY AND REACTIVITY:

Stabili..... Stable  
Incompatibilities.....None Known.  
Hazardous Polymerization.....Will not Occur.  
Hazardous Decompositions or  
By Products.....None Known.

### 6. HEALTH HAZARD DATA:

**Note:** The dust generated from dry sawing stone may contain silica and may be a potential health problem for the lungs although we are aware of no scientific evidence of a health problem.

**Carcinogen:** NTP and OSHA do not include this material or its components in their carcinogen listings.

#### **Acute effects of overexposure:**

**Eye:** May cause mild to severe irritation by abrasion with dust or chips.

**Skin:** Stone dust or chips may cause allergic reactions excessive exposure may result in abrasions.

**Inhalation:** Stone dust or chips may cause congestion and irritation in the nasal and respiratory passage.

**Ingestion:** None known.

#### **Subchronic or chronic effects of over exposure:**

Excessive exposure to particulate (dust) over an extended period time may result in the development of pulmonary diseases.

### 7. DISPOSAL, SPILL, OR LEAK PROCEDURE:

The only condition to control is dust.

### 8. SPECIAL PROTECTION INFORMATION:

Note: A wet saw is recommended for sawing stone.

**Ventilation:** When sawing stone, use adequate ventilation to maintain exposure below the PEL or TLV.

**Eye Protection:** Use safety glasses with side shields. Face shields should also be used where dry sawing of stone occurs.

**Skin Protection:** Use gloves and/or protective clothing if abrasion or allergic reaction are experienced.

Respiratory protection: For concentrations exceeding the PEL or TLV, use NIOSH/MSHA approved respirators.

Foot protection: Wear steel-toed safety shoes.

### 9. SPECIAL PRECAUTIONS:

Care Should be used to avoid generating dust or breathing dust, which exceeds the PEL or TLV.

Additional regulatory concerns: Not Known.

As defined in 29 CFR Part 1200 stone is considered an article, a MSDS is not required and the product is exempt from all other requirements of the hazardous communication standard. OSHA requires a MSDS for manufactured stone since it is occasionally dry sawed.

The information in this MSDS is believed to be reliable. No guarantee is implied or expressed regarding the accuracy of this information or the use is beyond our control. Nothing contained herein should be construed as a recommendation to use this product in conflict with existing patents covering any material or its use.

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