



MATERIAL SAFETY DATA SHEET

A. MANUFACTURER/DISTRIBUTOR

CalStar Products, Inc.
6851 Mowry Ave.
Newark, CA 94560
Phone number: (510) 793-9500

B. PRODUCT IDENTIFICATION

Product Name: CalStar™ Paver
Chemical Family: predominately silicates

Chemical Name: mixture
Formula: mixture

C. COMPOSITION/INFORMATION ON INGREDIENTS

Components	Cas No.	%/Weight	ACGIH TLV	OSHA PEL
Fly Ash	69012-84-6	30-60	NE	NE
Sand	various	0 - 60	10 mg/m ³	10 mg/m ³
Gravel	various	0 - 30	15 mg/m ³	15 mg/m ³
Crystalline Silica	14808-60-7	varies	0.05 mg/m ³ Respirable	10 mg/m ³ %SiO ₂ +2(Respirable)
Colorant	various	0 - 3	NE	NE
Other	Not available	0 - 3	NA	NA

D. PERSONAL PROTECTION INFORMATION

Ventilation: When sawing brick, use adequate ventilation to maintain exposure below the OSHA PEL and ACGIH TLV.

Respiratory Protection: For concentrations exceeding the OSHA PEL or ACGIH TLV, use NIOSH/MSHA approved respirator.

Eye Protection: Use safety glasses with side shields.

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

Cutting: It is recommended that this product be cut with a mason's guillotine, per industry standard practice, or wet sawed to avoid exposure to silica dust.

Other: Wear steel-toed shoes. Observe all OSHA and other applicable laws and regulatory requirements.

E. HANDLING AND STORAGE PRECAUTIONS

Avoid dust inhalation, eye contact and excessive or prolonged skin contact. Wear protective equipment and/or garments described in Section D if exposure conditions warrant. The primary route of exposure is inhalation.

F. REACTIVITY DATA

Stability: Stable

Conditions to avoid: None known

Hazardous decomposition products: None known

Incompatibility (material to avoid): None known

Hazardous polymerization: None known.

G. HEALTH HAZARD DATA

Recommended Exposure Limits: See: Section O

Acute effects of overexposure:

Eye: Might cause mild to severe irritation by abrasion with dust or chips.
Skin: Brick or paver dusts or chips may cause irritation on exposed surfaces.
Inhalation: Brick or paver dusts or chips may cause congestion and irritation in nasal and respiratory passages.
Ingestion: None known.
Subchronic and chronic effects of overexposure: Excessive exposure to particulates (dust) over an extended period of time may result in the development of pulmonary diseases.

Carcinogenicity:

NTP classifies respirable crystalline silica as a known carcinogen. IARC classifies respirable crystalline silica (quartz/cristobolite) as a group 1 carcinogen.

First Aid and Emergency Procedures:

Eye: Flush eyes with running water, obtain medical assistance if irritation continues.
Inhalation: Remove the person from exposure to airborne particulates. Consult a physician if breathing does not return to normal.
Skin: Wash with soap and water. If an allergic reaction causes a rash that does not heal in an appropriate time, consult a physician. Treat abrasions as any other scrape or cut, with disinfectants and bandages.
Medical conditions aggravated by exposure: Excessive dust exposure may aggravate any existing respiratory disorders or diseases. Possible complications included allergies resulting in irritation to skin, eyes and respiratory passages may occur from excessive exposure to dust.

H. PHYSICAL DATA

Appearance/odor: granular solid, essentially odorless, wide range of color.
Boiling point: NA **Specific gravity:** (H₂O = 1) 2.2 (approximate). **pH:** NA
Vapor Pressure: NA **Percent volatile by volume:** NA **Vapor density:** NA
Solubility in water: Negligible **Evaporation Rate:** (ethyl ether = 1): NA

I. FIRE AND EXPLOSION DATA

Flash Point: NA **Flammable Limits:** (% by volume in air): LEL: NA VEL: NA
Fire extinguishing media: NA **Fire and explosion hazards:** NA

J. SPILL OR LEAK PROCEDURE

The only known concern is the control of dust.

K. WASTE DISPOSAL

This material is classified as a non-hazardous solid waste for disposal.

L. RCRA CLASSIFICATION

NA

M. DOT SHIPPING DATA

NA

N. HAZARD CLASSIFICATION

This product meets the following hazard definition(s) as defined by the Occupational Safety and Health Hazard Communication Standard, Section 1910.1200:

- | | |
|---|---|
| <input type="checkbox"/> Combustible Liquid | <input type="checkbox"/> Flammable Aerosol |
| <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Explosive |
| <input type="checkbox"/> Flammable Gas | <input checked="" type="checkbox"/> Health Hazard |
| <input type="checkbox"/> Flammable Liquid | <input type="checkbox"/> Organic Peroxide |
| <input type="checkbox"/> Flammable Solid | <input type="checkbox"/> Oxidizer |
| <input type="checkbox"/> Pyrophoric | <input type="checkbox"/> Unstable |

___ Water Reactive

___ Based on information presently available, this product does not meet any of the hazard definitions of 29 CFR Section 1910.1200.

O. SARA (TITLE III) REPORTS

Components of this product that are subject to the reporting requirements of Section 313 of SARA and 40 CFR Part 372: NA

P. OTHER INFORMATION

* CalStar Products, Inc. considers its product an “article” as defined in 29 CFR Part 1200(b)(5)(iv) and 40 CFR Part 372.38. As an article, a MSDS is not required and the product is exempt from all other requirements of the hazardous communication standard. However, OSHA requires a MSDS for brick because it is occasionally dry sawed. With regard to this issue, CalStar Products, Inc. recommends that this product be wet sawed, sawed in area with adequate ventilation to maintain exposure below the OSHA PEL and ACGIH TLV and that NIOSH and/or MSHA approved respiratory protection be used.

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NA Not applicable

NE Not Established

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