



# Manufacturers of Professional Grade Cement & Construction Products Since 1967

## MATERIAL SAFETY DATA SHEET PRO HIGHWAY PATCH

<b>Manufacturer's Name</b> CGM, Inc.	<b>Emergency Telephone Number</b> 215-638-4400 OR 800-523-6570
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### SECTION II - HAZARD INGREDIENTS/IDENTITY INFORMATION

MATERIAL OR COMPONENT	CAS #	%	HAZARDOUS DATA
Silica Sand*	14808-60-7	40-60	OSHA PEL: 10mg/m <sup>3</sup> ACGIH TLV: 0.1 mg/m <sup>3</sup>
Tricalcium Silicates	12168-85-3	40-60	OSHA PEL: 10mg/m <sup>3</sup> ACGIH TLV: 30mmpcf
Dicalcium Silicates	10034-77-2	40-60	OSHA PEL: 10mg/m <sup>3</sup> ACGIH TLV: 30mmpcf
Tricalcium Aluminate	12043-78-3	40-60	OSHA PEL: 10mg/m <sup>3</sup> ACGIH TLV: 30mmpcf
Tetracalcium Aluminoferrite	12068-35-3	40-60	OSHA PEL: 10mg/m <sup>3</sup> ACGIH TLV: 30mmpcf
Calcium Sulphate (hydrous)	14808-60-7	40-60	OSHA PEL: 10mg/m <sup>3</sup> ACGIH TLV: 30mmpcf

<b>Boiling Point</b> N/A	<b>Specific Gravity</b> (H <sub>2</sub> O = 1) 2.65
<b>Vapor Pressure</b> (mm Hg.) N/A	<b>Freezing Point:</b> N/A
<b>Vapor Density</b> (AIR = 1) N/A	<b>Evaporation Rate</b> N/A (Butyl Acetate = 1)
<b>Solubility in Water:</b> Dispersible <b>Appearance and Odor</b> Gray, dark gray, powdered solid	

\* The exposure limits are time-weighted average concentrations for an eight-hour workday and a forty-hour workweek. Crystalline silica exists in several forms; the most common which is quartz. If crystalline silica (quartz) is heated to more than 870° C, it can change to a form of crystalline silica known as trydimite, and if crystalline silica is heated to more than 1470° C, it can change to a form of crystalline silica known as cristobalite. The OSHA PEL for crystalline silica as trydimite and cristobalite is one half of the OSHA PEL for crystalline silica (quartz). The current OSHA permissible limit (PEL) for respirable dust containing crystalline silica (quartz) for the construction industry is measured in million of particles per cubic foot (mppcf) and is calculated using the formula in 29CFR\* 21926.55  
Continued inhalation of dust over a period of years without proper respirator and ventilation controls will cause silicosis and lung cancer. Current OSHA standard for crystalline silica (respirable dust) is 10mg silica per cubic meter of air divided by the percent SiO<sub>2</sub> averaged over an eight-hour work shift and for total dust is 30mg/m<sup>3</sup> divided by the percent SiO<sub>2</sub> averaged over an eight-hour work shift

### SECTION III - FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point:</b> N/A	<b>Hazardous Decomposition Products:</b> N/A
<b>Flammable Limits:</b>	<b>Upper</b> N/A <b>Lower</b> N/A
<b>Sensitivity to Impact:</b> N/A	<b>Flammability:</b> None
<b>Autoignition Temperature:</b> N/A	<b>Explosion Data:</b> N/A

