

## MATERIAL SAFETY DATA SHEET

### NATURAL POZZOLAN, 1-P CEMENT ADDITIVE

#### SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: Natural Pozzolan, 1-P Cement Additive

PRODUCT SYNONYMS: Type N Pozzolan, Diatomite, Diatomaceous Earth

PRODUCT USE: Cement additive

MANUFACTURED BY: GF Industries  
411 West Lambert Road, Suite 406  
Brea, CA 92821  
(714) 255-1245

#### SECTION 2. COMPOSITION INFORMATION ON INGREDIENTS

INGREDIENTS: Natural Pozzolan is composed of the remains of diatoms from ancient seabeds. Its chemical composition is:

Ingredient	%	CAS NO.	OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)
Silica Dioxide	73-83	7 631-86-9		
Crystalline Silica (quartz)	18-43	14808-60-7	0.14 (respirable dust)*	0.05 (respirable dust)
Amorphous Silica	25-35		15 (total dust)	10 (total dust)
Cristobalite	3-32		0.14 (respirable dust)*	N/A
Heavy Metals	< 1	1309-37-1	5.0 (total)	5.0 (total)

\*Note: Using the formula  $10 / \% \text{ Quartz} + 2 (\% \text{ Cristobalite} + 2) = \text{PEL}$ , the PEL is approximately 0.14 mg/m3 (using midpoint values for Quartz and Cristobalite)

#### SECTION 3. HAZARDS IDENTIFICATION

DESCRIPTION: Usually shipped in bulk, Natural Pozzolan, 1-P Cement Additive is a tan colored diatomaceous earth in a form that ranges from one inch chunks to powder. Do not mix, pour or work with this product in enclosed areas without appropriate breathing protection. Stay upwind when using outside.

#### POTENTIAL HEALTH EFFECTS

INHALATION: This product contains crystalline silica (Quartz). Prolonged exposure to respirable crystalline silica is known to cause lung cancer or silicosis, a scarring of the lungs, which may be disabling. While individual susceptibility to a given exposure to respirable silica dust may vary, the risk of contracting cancer or silicosis and the severity of the diseases are clearly related to the concentration and duration (usually years) of exposure. Exposure associated with proper uses of this product(s) should be well below the permissible exposure limits; however, employers should perform workplace testing to determine actual exposure levels.