



MAY 10 1990

Quality Products for Concrete and Masonry

**MATERIAL SAFETY DATA SHEET**

**I. PRODUCT IDENTIFICATION.**

PRODUCT NAME: **Speed Plug**  
PRODUCT USE: Quick-setting hydraulic cement  
MANUFACTURER: **TAMMS INDUSTRIES CO.**  
ADDRESS: 1222 ARDMORE AVE.  
ITASCA, IL 60143  
TELEPHONE: (708) 773-2350  
DATE PREPARED: **APRIL 1, 1990**

EMERGENCY RESPONSE TELEPHONE NUMBER: (800) 424-9300 CHEMTREC  
(708) 773-2350 TAMMS

**II. HAZARDOUS INGREDIENTS.**

PRODUCT	CAS #	WT. %	OSHA PEL	TLV	LD50	LC50
Portland cement	65997-15-1	60-90	N/A	10mg/m <sup>3</sup> (total dust)		N/A N/A
Sodium hydroxide	1305-62-0	1-5	N/A	N/A	7340 mg/Kg rat/oral	N/A
Silica, quartz	14808-60-7	15-40	N/A	10mg/m <sup>3</sup> (total dust)		N/A N/A

**III. PHYSICAL DATA.**

ODOR AND APPEARANCE: Odorless coarse powder

PHYSICAL STATE: Solid

ODOR THRESHOLD: N/A

VAPORATION RATE: N/A

SPECIFIC GRAVITY: >1

pH: Near neutral when dry.  
When mixed with water pH ~13.

VAPOR PRESSURE: N/A

DENSITY: N/A

MELTING POINT: N/A

FREEZING POINT: N/A

TAMMS INDUSTRIES CO. • 1222 Ardmore Ave. • Itasca, IL 60143 • 708-773-2350 • Fax: 708-773-1870  
Western: 8741 East Santa Ana St. • Ontario, CA 91761 • 714-996-7667  
Northeast: 730 Casey Ave. • Wilkes-Barre, PA 18702 • 717-822-2191

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PRODUCT: Speed Crete Blue Line  
TAMMS INDUSTRIES CO.

VII...FIRST.AID.MEASURES

EMERGENCY FIRST AID MEASURES:

EYE CONTACT: Irrigate with large amounts of water. Seek medical attention if irritation of the eye persists.

SKIN CONTACT: Wash exposed areas of the body with soap and water.

INGESTION: Drink plenty of water or milk, and consult a doctor immediately. Do not induce vomiting.

INHALATION: Move person to fresh air and seek medical attention.

VIII...PREVENTIVE.MEASURES

RESPIRATORY: In dusty environments, the use of NIOSH approved respirator is recommended.

EYE: In dusty environments, the use of tight fitting goggles is recommended.

SKIN PROTECTION: Use barrier creams, gloves, boots and clothing to protect the skin from prolonged contact with wet cement. Immediately after working, workers should wash exposed skin with soap and water.

VENTILATION: Ventilation should be sufficient to control airborne dust level.

LEAK AND SPILL PROCEDURES: Use dry clean up methods that do not disperse the dust into the air. Avoid breathing the dust.

WASTE DISPOSAL: Material can be returned to container for later use, or it can be disposed of as common waste.

HANDLING PROCEDURES AND EQUIPMENT: Keep container closed until ready for use. Provide adequate ventilation. Avoid breathing the dust.

STORAGE REQUIREMENTS: Store in a dry place. Minimize dust exposure.

SPECIAL SHIPPING INFORMATION: N/A

IX...PREPARATION.INFORMATION

"The information contained and opinions expressed herein are based on the available information at the date of this Material Safety Data Sheet. Since the use of this information and these opinions, and the conditions of the use of the product are not within the control of TAMMS INDUSTRIES CO., it is the user's obligation to determine the conditions for safe use of this product. User instructions must be followed for proper application. Consult with the supplier for application other than as described in Section I."

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TAMMS INDUSTRIES CO.

## IV. FIRE OR EXPLOSION HAZARD.

FLAMMABILITY: Non-flammable

MEANS OF EXTINCTION: Water Fog Foam CO: Dry Chemical  
Other \_\_\_\_\_

FLASH POINT AND METHOD: None

FLAMMABLE LIMIT: N/A

UPPER: N/A

LOWER: N/A

## V. REACTIVITY DATA.

CHEMICAL STABILITY: Stable

INCOMPATIBILITY WITH OTHER SUBSTANCES:

Acid X , Base \_\_\_\_\_ , Oxidizers \_\_\_\_\_ , Water \_\_\_\_\_ , Other \_\_\_\_\_

HAZARDOUS DECOMPOSITION OR POLYMERIZATION PRODUCTS: None

## VI. TOXICOLOGICAL PROPERTIES.

EFFECTS OF OVEREXPOSURE:

INGESTION: Corrosive to digestive system.

INHALATION: Cement dust can cause inflammation of the interior lining tissue of the nose and cause irritation of upper respiratory system. OSHA recommended TWA for calcium hydroxide is 5 mg/m<sup>3</sup>.

SKIN CONTACT AND ABSORPTION: Lime and cement dust can dry skin and cause alkali burns.

EYE CONTACT: Can cause irritation to the eye and inflammation of the cornea.

OTHER CHRONIC EFFECTS OF OVEREXPOSURE: Excessive inhalation of dust may result in respiratory disease, including silicosis, pneumoconiosis and pulmonary fibrosis. The International Agency for Research on Cancer (IARC) has evaluated in Volume 42, Monographs on the Evaluation of the Carcinogenicity Risk of Chemicals to Humans, Silica and some Silicates (1987), that there is "sufficient evidence" for the carcinogenicity of crystalline silica to experimental animals" and "limited evidence" with respect to humans.

MUTAGENICITY: N/A TERATOGENICITY: N/A  
REPRODUCTIVE TOXICITY: N/A

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