

# MATERIAL SAFETY DATA SHEET

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FOR CHEMICAL  
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**SECTION I - Product Identification:** FIVE STAR® FAST SET CEMENT, FIVE STAR® FAST SET CEMENT-L, FIVE STAR® FAST SET CEMENT SPECIAL/S300, FIVE STAR STRUCTURAL CONCRETE® CEMENT, FIVE STAR® HIGHWAY PATCH CEMENT, FIVE STAR® FAST SET CEMENT-LSC, FIVE STAR® FAST SET CEMENT-NY

## SECTION II - Hazardous Ingredients/Identify Information

<u>Components:</u>	<u>C.A.S. No.:</u>	<u>OSHA PEL:</u>	<u>ACGIH TLV:</u>	<u>Other Limits:</u>
Hydraulic Cement	65997-15-1	5 mg/m <sup>3*</sup> , 15 mg/m <sup>3**</sup>	10 mg/m <sup>3**</sup>	50 MPPCF
*Respirable Dust	**Total Dust			

HMIS: Health = 1 Fire = 0 Reactivity = 1 Personal Protection = E

## SECTION III: - Physical/Chemical Characteristics

<u>Boiling Point</u> (°F):	NA	<u>Specific Gravity</u> (H <sub>2</sub> O = 1):	3.15
<u>Vapor Pressure</u> (mm Hg.):	NA	<u>Melting Point</u> (°F):	NA
<u>Vapor Density</u> : (AIR = 1):	NA	<u>Evaporation Rate</u> :	NA
		(Butyl Acetate = 1)	
<u>Solubility in Water</u> :	0.1-1%	<u>Appearance and Odor</u> :	Odorless--white, gray or brown powder.

## SECTION IV - Fire and Explosion Hazard Data

Flash Point: Noncombustible. Flammable Limits: LEL: N/A. UEL: N/A. Extinguishing Media: N/A. Special Fire-Fighting Procedures: N/A. Unusual Fire and Explosion Hazards: None.

## SECTION V - Reactivity Data

Stability: Unstable: ( ) Stable: (X)  
Conditions to Avoid: N/A. Incompatibility (Materials to Avoid): Aluminum powder and other alkali and alkaline earth elements. Strong acids. Hazardous Decomposition or Byproducts: None. Hazardous Polymerization: May occur: ( ) Will not occur: (X)

## SECTION VI - Health Hazard Data

Routes of Entry: Inhalation: Yes. Skin: Yes. Ingestion: Yes.  
Health Hazards (Acute and Chronic): **Acute**: Wet cement, especially as an ingredient in plastic (unhardened) concrete, mortar or slurries, can dry the skin and cause alkali burns. Cement dust can irritate the eyes and upper respiratory system. **Chronic**: Cement dust can cause inflammation of the lining tissue in the interior of the nose & inflammation of the cornea. Carcinogenicity: NTP? No. IARC Monographs? No. OSHA Regulated? No. Signs and Symptoms of Exposure: Can cause inflammation of lining tissue in the nose and inflammation of the cornea. May cause skin irritation, dryness, burns. Hypersensitive individuals may develop an allergic dermatitis. Medical Conditions Aggravated by Exposure: Diseases of the respiratory system. Emergency and First Aid Procedures: Flush eyes immediately with water and seek prompt medical attention. Remove to fresh air. Wash skin with water. Product may harden on contact with water. May result in obstruction. **See physician.**

## SECTION VII - Precautions for Safe Handling and Use

Steps To Be Taken in Case Material is Released or Spilled: Use dry cleanup methods that do not disperse the dust into the air. Avoid breathing dust. Waste Disposal Method: Small amounts can be disposed of as common waste. Large volumes will require special handling. Precautions To Be Taken in Handling and Storing: Keep dry until used to preserve product utility. Avoid contact with eyes and skin. Wash thoroughly after handling. Other Precautions: None.

## SECTION VIII - Control Measures

Respiratory Protection: Use MSHA/NIOSH-approved respirator in dusty environments. Ventilation: Local Exhaust: Can be used to control dust. Mechanical (General): Yes. Special: No. Other: As needed. Protective Gloves: Alkali-resistant or barrier creams. Eye Protection: OSHA, MSHA or NIOSH-approved tight-fitting goggles or glasses. Other Protective Clothing or Equipment: Impervious clothing to protect skin from burns. Work/Hygienic Practices: Barrier creams are recommended. Shower with soap and water after working with cement-containing materials.

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