

MATERIAL SAFETY DATA SHEET

PENNKOTE LIMITED - 1950 BOUNDARY ROAD - WHITBY, ONTARIO. L1N 8P8

EMERGENCY PHONE: (905) 683-6447

DATE REVISED: 4/15/16

REVISED BY: D STEFAN

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1. PRODUCT INFORMATION

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PRODUCT NAME: PENNSEAL CSH.  
GENERIC NAME: WATER SOLUBLE INORGANIC POLYMER.  
PRODUCT USE: CONCRETE DENSIFIER AND HARDENER.  
WHIMS CLASSIFICATION: CLASS D2B.

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2. HAZARDOUS INGREDIENTS

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COMPONENT NAME	% CONC (WT/WT)	LD50ORAL RAT	LD50DERMAL RABBIT	LC50 RAT	CAS NUMBER
N.AP.					

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3. PHYSICAL DATA

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PHYSICAL STATE: LIQUID.  
ODOUR AND APPEARANCE: COLOURLESS, ODORLESS FLUID.  
ODOUR THRESHOLD: N.AP.  
SPECIFIC GRAVITY (g/cm<sup>3</sup>@20C): 1.16  
VAPOUR PRESSURE: N.AP.  
VAPOUR DENSITY (AIR=1): N.AP.  
EVAPORATION RATE: N.AV.  
BOILING POINT (°C): N.AV.  
FREEZING POINT (°C): N.AV.  
pH: 11  
COEFFICIENT OF WATER/OIL  
DISTRIBUTION: N.AV.

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**4. FIRE OR EXPLOSION HAZARDS**

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<b>FLASHPOINT (METHOD):</b>	NON FLAMMABLE.
<b>UPPER FLAMMABLE LIMIT (% BY VOL.):</b>	N.AP.
<b>LOWER FLAMMABLE LIMIT:</b>	N.AP.
<b>AUTO IGNITION TEMPERATURE (°C):</b>	N.AP.
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	N.AP.
<b>CONDITIONS OF FLAMMABILITY:</b>	N.AP.
<b>EXPLOSION SENSITIVITY:</b>	NOT SENSITIVE.
<b>MEANS OF EXTINCTION:</b>	N.AP.
<b>SPECIAL FIREFIGHTING PROCEDURES:</b>	N.AP.

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**5. REACTIVITY DATA**

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<b>CHEMICAL STABILITY:</b>	STABLE.
<b>INCOMPATIBILITY:</b>	PROLONGED CONTACT WITH METALS SUCH AS ALUMINIUM, TIN, LEAD OR ZINC MAY PRODUCE HYDROGEN GAS.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	HYDROGEN.
<b>CONDITIONS OF REACTIVITY:</b>	MAY REACT WITH INCOMPATIBLE MATERIALS TO PRODUCE FLAMMABLE HYDROGEN GAS.

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**6. TOXICOLOGICAL PROPERTIES**

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<b>ROUTES OF ENTRY:</b>	INGESTION, INHALATION, EYE AND SKIN CONTACT.
<b>EFFECTS OF ACUTE EXPOSURE:</b>	IRRITATION MAY RESULT DUE TO EYE AND SKIN CONTACT. INHALATION MAY IRRITATE RESPIRATORY TRACT. INGESTION MAY IRRITATE DIGESTIVE TRACT.
<b>EFFECTS OF CHRONIC EXPOSURE:</b>	NO KNOW CHRONIC HAZARDS.
<b>EXPOSURE LIMITS:</b>	RECOMMENDED CEILING LIMIT 5mg/m <sup>3</sup> .
<b>SENSITIZATION:</b>	DOES NOT OCCUR.
<b>TOXICOLOGICALLY SYNERGISTIC PRODUCTS:</b>	NONE KNOWN.
<b>OTHER HEALTH EFFECTS:</b>	NONE KNOWN.

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**7. FIRST AID MEASURES**

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<b>SKIN CONTACT:</b>	FLUSH WITH PLENTY OF WATER.
<b>EYE CONTACT:</b>	FLUSH WITH WATER FOR AT LEAST 15 MINUTES.
<b>INGESTION:</b>	DO NOT INDUCE VOMITING, DILUTE WITH WATER OR MILK. CONSULT PHYSICIAN.

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**8. PREVENTIVE MEASURES**

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**PERSONAL PROTECTIVE EQUIPMENT:**

<b>GLOVES:</b>	RUBBER.
<b>RESPIRATORY:</b>	NIOSH APPROVED MIST RESPIRATOR SHOULD BE USED WHEN SPRAYING.
<b>EYES:</b>	CHEMICAL GOGGLES.
<b>FOOTWEAR:</b>	AS NECESSARY TO PREVENT SKIN CONTACT.
<b>CLOTHING:</b>	AS NECESSARY TO PREVENT SKIN CONTACT.
<b>VENTILATION:</b>	NO SPECIAL REQUIREMENTS.
<b>LEAK &amp; SPILL PROCEDURES:</b>	SMALL SPILLS MAY BE FLUSHED WITH WATER. LARGE SPILLS MAY BE ABSORBED WITH ABSORBANT MATERIAL OR NEUTRALIZED WITH DILUTE ACID AND FLUSHED WITH WATER.
<b>WASTE DISPOSAL:</b>	DISPOSE OF ABSORBED MATERIAL IN GOVERNMENT APPROVED LANDFILL SITE. NEUTRALIZED LIQUID MAY FLUSHED TO SEWERS WITH PLENTY OF WATER.
<b>HANDLING &amp; STORAGE:</b>	AVOID CONTACT WITH ALUMINIUM, TIN, LEAD OR ZINC DURING STORAGE. AVOID SKIN CONTACT WHEN HANDLING.
<b>SHIPPING INFORMATION:</b>	NO SPECIAL PROCEDURES.

N.AP. = NOT APPLICABLE, N.AV. = NOT AVAILABLE.

**DISCLAIMER**

"The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, provincial, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection."