

MATERIAL SAFETY DATA SHEET

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

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REVISED BY: D STEFAN.

1. PRODUCT INFORMATION

PRODUCT NAME: SPEEDCRETE (RED LINE, BLUE LINE, SLOW SET).
GENERIC NAME: FAST SETTING CONCRETE.
PRODUCT USE: CONCRETE PATCH.
WHIMS CLASSIFICATION: CLASSES D2A, E.

2. HAZARDOUS INGREDIENTS

COMPONENT NAME	% CONC. (WT/WT)	LD50ORAL RAT	LD50DERMAL RAT	LC50	CAS NUMBER
PORTLAND CEMENT	40-60	N.AP.	N.AV.	N.AV.	65997-15-1
SILICA SAND	10-30	N.AP.	N.AP.	N.AV.	14808-60-7

3. PHYSICAL DATA

PHYSICAL STATE:	SOLID
ODOUR AND APPEARANCE:	LOW ODOUR GREY POWDER
ODOUR THRESHOLD:	N.AP.
SPECIFIC GRAVITY (g/cm³@20°C):	2.66
VAPOUR PRESSURE:	N.AP.
VAPOUR DENSITY (AIR=1):	N.AP.
EVAPORATION RATE:	N.AP.
BOILING POINT (°C):	N.AP.
FREEZING POINT (°C):	N.AP.
pH:	NEAR NEUTRAL WHEN DRY. WHEN MIXED WITH WATER pH=13.
COEFFICIENT OF WATER/OIL DISTRIBUTION:	N.AP.

4. FIRE OR EXPLOSION HAZARDS

FLASHPOINT (METHOD):	N.AP.
UPPER FLAMMABLE LIMIT (% BY VOL.):	N.AP.
LOWER FLAMMABLE LIMIT	N.AP.

4. FIRE OR EXPLOSION HAZARDS ..cont'd..

AUTO IGNITION TEMPERATURE (°C):	N.AP.
HAZARDOUS COMBUSTION PRODUCT:	N.AP.
CONDITIONS OF FLAMMABILITY:	NON FLAMMABLE
EXPLOSION SENSITIVITY:	NON EXPLOSIVE
MEANS OF EXTINCTION:	N.AP.

5. REACTIVITY DATA

CHEMICAL STABILITY:	CHEMICALLY STABLE. RELEASES LIME AS Ca(OH) ₂ WHEN MIXED WITH WATER.
INCOMPATIBILITY:	NONE
HAZARDOUS DECOMPOSITION PRODUCTS:	NONE
CONDITIONS OF REACTIVITY:	BECOMES CAUSTIC, Ca(OH) ₂ RELEASED, WHEN MIXED WITH WATER.

6. TOXICOLOGICAL PROPERTIES

ROUTES OF ENTRY:	INHALATION, SKIN CONTACT, EYE CONTACT, INGESTION.
EFFECTS OF ACUTE EXPOSURE:	INHALATION, CAN IRRITATE UPPER RESPIRATORY TRACT. SKIN CONTACT WITH THE WET PRODUCT CAN CAUSE IRRITATION, REDDENING AND ALKALI BURNS. EYE CONTACT WITH WET OR DRY PRODUCT CAN CAUSE IRRITATION AND REDDENING. INGESTION IS UNLIKELY TO OCCUR IN HARMFUL CONCENTRATION.
EFFECTS OF CHRONIC EXPOSURE:	INHALATION: SILICA SAND CAN CAUSE SILICOSIS, A CHRONIC SLOW DEVELOPING DISEASE FROM LONG TERM OVER EXPOSURE. SCARRING OF LUNG TISSUE CAN OCCUR. EYE CONTACT: LONG TERM OR REPEATED EXPOSURE TO DUST CAN CAUSE INFLAMMATION OF THE CORNEA.
EXPOSURE LIMITS:	0.2mg/m ³ (TWAEL)
SENSITIZATION:	DOES NOT OCCUR.
TOXICOLOGICALLY SYNERGISTIC PRODUCTS:	TOBACCO SMOKE: THERE IS AN INCREASED RISK OF IMPAIRED HEALTH DUE TO A COMBINATION OF SMOKING AND SILICA DUST EXPOSURE.

6. TOXICOLOGICAL PROPERTIES - CONT'D.....

OTHER HEALTH EFFECTS: LUNG SCARRING DUE TO OVER EXPOSURE TO SILICA DUST INCREASES SUSCEPTIBILITY TO TUBERCULOSIS AND OTHER RESPIRATORY INFECTIONS.

7. FIRST AID MEASURES

SKIN CONTACT: WASH AFFECTED AREA WITH SOAPY WATER.

EYE CONTACT: FLUSH EYES WITH COPIOUS AMOUNTS OF WATER. IF CONCRETE CANNOT BE DISLODGED FROM EYES IN THIS MANNER AND DISCOMFORT PERSISTS, CONSULT PHYSICIAN.

INHALATION: AVOID. NO TREATMENT REQUIRED.

INGESTION: AVOID. NO TREATMENT REQUIRED.

8. PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: REQUIRED FOR CONTACT WITH WET CONCRETE. IMPERMEABLE MATERIAL.

RESPIRATORY: DUST MASK REQUIRED IF EXPOSURE LIMITS ARE EXCEEDED.

EYES: TIGHT FITTING GOGGLES RECOMMENDED FOR DUSTY ENVIRONMENT.

FOOTWEAR: BOOTS SHOULD BE WORN TO AVOID CONTACT WITH WET CONCRETE.

CLOTHING: APPROPRIATE TO PROTECT SKIN FROM CONTACT WITH WET CONCRETE.

OTHER: BARRIER CREAMS MAY BE USED TO PROTECT AREAS OF EXPOSED SKIN.

VENTILATION: LOCAL EXHAUST MAY BE USED TO MAINTAIN LEVELS BELOW THE EXPOSURE LIMITS.

LEAK & SPILL PROCEDURES: NO ENVIRONMENTAL HAZARD EXISTS. AVOID CONTACT WITH SKIN AND EYES IF CLEANING UP WET CONCRETE. KEEP DUST LEVELS AT A MINIMUM DURING CLEANUP. WEAR APPROPRIATE DUST MASK IF NECESSARY.

8. PREVENTATIVE MEASURES - CONT'D.....

WASTE DISPOSAL:	NORMAL SOLID DISCARD.
HANDLING & STORAGE:	AVOID CONTACT WITH WATER. STORE IN AREAS OF LOW HUMIDITY.
SHIPPING INFORMATION:	NO SPECIFIC PROCEDURES REQUIRED.

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."