

MATERIAL SAFETY DATA SHEET

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

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DATE REVISED: 4/15/16

REVISED BY: D STEFAN

1. PRODUCT INFORMATION

PRODUCT NAME: PENNSEALER EE-CT.
GENERIC NAME: EPOXY URETHANE COAL TAR EMULSION.
PRODUCT USE: SEALER, COATING.
WHIMS CLASSIFICATION: CLASS D2A.

2. HAZARDOUS INGREDIENTS

COMPONENT NAME	% CONC (WT/WT)	LD50 ORAL RAT	LD50 DERMAL RABBIT	LC50 INHALATION RAT AEROSOL	CAS NUMBER
N. BUTOXY PROPANOL	1 - 2	N.AV.	N.AV.	N.AV.	5131-66-8
COAL TAR	2 – 3	N.AV.	N.AV.	N.AV.	8007-45-2

3. PHYSICAL DATA

PHYSICAL STATE: LIQUID.
ODOUR AND APPEARANCE: THICK BLACK/GREEN MATERIAL, MILD ODOUR.
ODOUR THRESHOLD: N.AV.
SPECIFIC GRAVITY(g/cm³@20C): 1.04 - 1.05
VAPOUR PRESSURE(mmHg@20°C): 17.4
VAPOUR DENSITY (AIR=1) >1 (HEAVIER THAN AIR)
EVAPORATION RATE(n BUAC =1): 0.35
BOILING RANGE (°C): 100 - 275
FREEZING POINT (°C): 0
pH: NEUTRAL
**COEFFICIENT OF WATER/OIL
DISTRIBUTION:** N.AV.

4. FIRE OR EXPLOSION HAZARDS

FLASHPOINT (METHOD):	NON-FLAMMABLE
UPPER FLAMMABLE LIMIT (% BY VOL.):	N.A.V.
LOWER FLAMMABLE LIMIT:	N.A.V.
AUTO IGNITION TEMPERATURE (°C):	N.A.V.
HAZARDOUS COMBUSTION PRODUCTS:	CARBON MONOXIDE, OXIDES OF NITROGEN.
CONDITIONS OF FLAMMABILITY:	NON-FLAMMABLE
EXPLOSION SENSITIVITY:	NOT SENSITIVE.
MEANS OF EXTINCTION:	CARBON DIOXIDE, DRY CHEMICALS OR FOAM

5. REACTIVITY DATA

CHEMICAL STABILITY:	STABLE.
INCOMPATIBILITY:	AVOID CONTACT WITH STRONG ALKALIES, OXIDIZING AGENTS OR MINERAL ACIDS.
HAZARDOUS DECOMPOSITION PRODUCTS:	CARBON MONOXIDE, AND AROMATIC HYDROCARBONS MAY BE PRODUCED UPON COMBUSTION.
CONDITIONS OF REACTIVITY:	MAY REACT IN CONTACT WITH INCOMPATIBLE MATERIALS.

6. TOXICOLOGICAL PROPERTIES

ROUTES OF ENTRY:	INHALATION, INGESTION, EYES AND SKIN CONTACT.
EFFECTS OF ACUTE EXPOSURE:	EYE CONTACT: IRRITATION OCCURS. SKIN CONTACT: MAY CAUSE MINOR IRRITATION. INGESTION: HARMFUL OR FATAL IF INGESTED. INHALATION: IRRITATION TO RESPIRATORY TRACT MAY OCCUR.
EFFECTS OF CHRONIC EXPOSURE:	LONG TERM OVER EXPOSURE TO HIGH CONCENTRATION OF VAPOUR WILL IRRITATE RESPIRATORY TRACT AND MAY CAUSE DAMAGE TO NERVOUS SYSTEM.
EXPOSURE LIMITS:	TWAEV 50ppm.

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

SENSITIZATION: NOT KNOWN TO OCCUR.

**TOXICOLOGICALLY
SYNERGISTIC PRODUCTS:** NONE KNOWN.

OTHER HEALTH EFFECTS: NONE KNOWN.

7. FIRST AID MEASURES

SKIN CONTACT: FLUSH WITH PLENTY OF WATER AND WASH WITH SOAP AND WATER.

EYE CONTACT: FLUSH WITH PLENTY OF WATER FOR AT LEAST 30 MINUTES.

INGESTION: DO NOT INDUCE VOMITING. CONSULT PHYSICIAN.

INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING IF NECESSARY.

8. PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: NITRILE, NEOPRENE OR LATEX.

RESPIRATORY: RESPIRATOR FOR AREAS OF POOR VENTILATION. ORGANIC CARTRIDGE OR AIR SUPPLIED RESPIRATOR, WITH FULL PROTECTED GEAR.

EYES: CHEMICAL SPLASH GOGGLES OR FULL FACE SHIELD.

FOOTWEAR: ADEQUATE TO AVOID SKIN CONTACT.

CLOTHING: ADEQUATE TO AVOID SKIN CONTACT.

OTHER: ENSURE ALL SKIN ESPECIALLY IN FACE AND NECK AREA IS COVERED WHEN SPRAY APPLYING.

VENTILATION: MECHANICAL VENTILATION RECOMMENDED FOR INDOOR USE OR RESPIRATOR FOR AREAS OF HIGH CONCENTRATION TO MAINTAIN LEVELS BELOW THE TWA.

**LEAK & SPILL
PROCEDURES:** VENTILATE AREA. CLEAN UP PERSONNEL SHOULD WEAR PROTECTIVE EQUIPMENT. ABSORB WITH ABSORBANT MATERIAL AND SHOVEL INTO WASTE CONTAINERS.

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

WASTE**DISPOSAL:**

HAZARDOUS WASTE MATERIAL. (1) DISPOSE IN COMPLIANCE WITH FEDERAL, STATE OR LOCAL ENVIRONMENTAL CONTROL REGULATIONS. (2) INCINERATE UNDER CONTROLLED CONDITIONS. (3) DISPOSE THROUGH A LICENCED WASTE DISPOSAL COMPANY

**HANDLING &
STORAGE:**

STORE BETWEEN 5 ° C AND 50 ° C.

**SHIPPING
INFORMATION:**

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."