

## 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

### 1. PRODUCT INFORMATION

**PRODUCT NAME:** WATERTITE WS TCO.  
**GENERIC NAME:** BASE COMPONENT OF ALIPHATIC URETHANE COATING.  
**PRODUCT USE:** TOPCOAT FOR WATERTITE WS.  
**WHIMS CLASSIFICATION:** CLASSES B2 D2A.

### 2. HAZARDOUS INGREDIENTS

| COMPONENT NAME                   | % CONC<br>(WT/WT) | LD50ORAL<br>RAT | LD50DERMAL<br>RABBIT | LC50<br>INHALATION<br>RAT AEROSOL | CAS NUMBER |
|----------------------------------|-------------------|-----------------|----------------------|-----------------------------------|------------|
| 1-METHOXY-2-<br>PROPANOL ACETATE | 15-20             | 8.5g/kg         | >5g/g                | 4350ppm                           | 108-65-6   |

### 3. PHYSICAL DATA

**PHYSICAL STATE:** LIQUID.  
**ODOUR AND APPEARANCE:** SOLVENT ODOR, LOW VISCOSITY, SMOOTH MATERIAL.  
**ODOUR THRESHOLD:** N.AV.  
**SPECIFIC GRAVITY (g/cm<sup>3</sup>):** 1.03 (TCO CLEAR), 1.24 (TCO COLORED).  
**VAPOUR PRESSURE:** N.AV.  
**VAPOUR DENSITY (AIR=1)** N.AV.  
**EVAPORATION RATE:** N.AV.  
**BOILING POINT (°C):** N.AV.  
**FREEZING POINT (°C):** N.AV.  
**pH:** N.AP.  
**COEFFICIENT OF WATER/OIL  
DISTRIBUTION:** N.AP.

---

**4. FIRE OR EXPLOSION HAZARDS**

---

|  |   |
|--|---|
| <b>FLASHPOINT (METHOD):</b>              | N.AV.   |
| <b>UPPER FLAMMABLE LIMIT (% BY VOL):</b> | 1-METHOXY-2-PROPANOL ACETATE ~ 10.  |
| <b>LOWER FLAMMABLE LIMIT (% BY VOL):</b> | 1-METHOXY-2-PROPANOL ACETATE ~ 1.5.   |
| <b>AUTO IGNITION TEMPERATURE (°C):</b>   | N.AV.   |
| <b>HAZARDOUS COMBUSTION PRODUCTS:</b>    | CARBON MONOXIDE, CARBON DIOXIDE.  |
| <b>CONDITIONS OF FLAMMABILITY:</b>       | FLAMMABLE IN PRESENCE OF IGNITION SOURCES.  |
| <b>EXPLOSION SENSITIVITY:</b>            | VAPOURS MAY FORM AN EXPLOSIVE MIXTURE BETWEEN UPPER AND LOWER FLAMMABLE LIMITS.           |
| <b>MEANS OF EXTINCTION:</b>              | CARBON DIOXIDE, DRY CHEMICALS, FOAM, WATER FOG.   |
| <b>SPECIAL FIREFIGHTING PROCEDURES:</b>  | FIREFIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. |

---

**5. REACTIVITY DATA**

---

|  |   |
|--|---|
| <b>CHEMICAL STABILITY:</b>               | STABLE.   |
| <b>INCOMPATIBILITY:</b>                  | AVOID CONTACT WITH STRONG OXIDIZERS.              |
| <b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> | CARBON DIOXIDE AND CARBON MONOXIDE ON COMBUSTION. |
| <b>CONDITIONS OF REACTIVITY:</b>         | AVOID CONTACT WITH INCOMPATIBLE MATERIALS.        |

---

**6. TOXICOLOGICAL PROPERTIES**

---

|  |  |
|--|--|
| <b>ROUTES OF ENTRY:</b>                      | INHALATION, INGESTION, SKIN AND EYE CONTACT.   |
| <b>EFFECTS OF ACUTE EXPOSURE:</b>            | <p>INHALATION: IRRITATING TO RESPIRATORY PASSAGES. MAY CAUSE NAUSEA, VOMITING AND DIZZINESS. TIGHTNESS IN CHEST MAY BE EXPERIENCED.</p> <p>INGESTION: IRRITATING TO DIGESTIVE TRACT. MAY CAUSE DIZZINESS, WEAKNESS, HEADACHE, VOMITING AND DIARRHEA. LARGE QUANTITIES MAY CAUSE KIDNEY DAMAGE. SKIN CONTACT: MAY CAUSE DERMITITIS. EXCESSIVE CONTACT MAY PRODUCE EFFECTS SIMILAR TO THOSE FOR INGESTION.</p> <p>EYE CONTACT: VERY IRRITATING, CAUSES TEARING, REDDENING AND SWELLING. IF UNTREATED SLOW HEALING BUT REVERSIBLE CORNEAL DAMAGE MAY OCCUR.</p> |
| <b>EFFECTS OF CHRONIC EXPOSURE:</b>          | <p>INHALATION: LONG TERM OVER EXPOSURE TO ORGANIC SOLVENTS CAN CAUSE NERVOUS SYSTEM AND BRAIN DAMAGE.</p> <p>SKIN CONTACT: CHRONIC SKIN EXPOSURE MAY CAUSE SIMILAR EFFECTS TO THOSE LISTED FOR INHALATION.</p> <p>EYE CONTACT: CONJUNCTIVITIS MAY RESULT FROM PROLONGED CONTACT WITH VAPOURS.</p>  |
| <b>EXPOSURE LIMITS:</b>                      | 1-METHOXY-2-PROPANOL ACETATE TWA 50 ppm  |
| <b>SENSITIZATION:</b>                        | DOES NOT OCCUR.  |
| <b>TOXICOLOGICALLY SYNERGISTIC PRODUCTS:</b> | NONE KNOWN.  |
| <b>OTHER HEALTH EFFECTS:</b>                 | NONE KNOWN.  |

---

**7. FIRST AID MEASURES**

---

|                      |  |
|----------------------|--|
| <b>SKIN CONTACT:</b> | WASH SKIN WITH SOAP AND WATER.   |
| <b>EYE CONTACT:</b>  | FLUSH WITH WATER FOR AT LEAST 15 MINUTES. CONSULT PHYSICIAN IF IRRITATION PERSISTS.  |
| <b>INGESTION:</b>    | DO NOT INDUCE VOMITING. GIVE 1-2 CUPS OF MILK OR WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONCIOUS PERSON. CONSULT PHYSICIAN. |
| <b>INHALATION:</b>   | REMOVE VICTIM TO FRESH AIR. RESTORE BREATHING IF NECESSARY.  |

---

**8. PREVENTIVE MEASURES**

---

**PERSONAL PROTECTIVE EQUIPMENT:**

|                     |   |
|---------------------|---|
| <b>GLOVES:</b>      | BUTYL RUBBER.   |
| <b>RESPIRATORY:</b> | ORGANIC CANISTER MASK OR NIOSH APPROVED SELF CONTAINED BREATHING APPARATUS IN AREAS OF HIGH VAPOUR CONCENTRATION.                                     |
| <b>EYES:</b>        | CHEMICAL SPLASH GOGGLES OR FULL FACE SHIELD. DO NOT WEAR CONTACT LENSES.  |
| <b>FOOTWEAR:</b>    | AS REQUIRED TO PREVENT SKIN CONTACT.  |
| <b>CLOTHING:</b>    | IMPERVIOUS IF THERE IS RISK OF SKIN CONTACT.  |
| <b>VENTILATION:</b> | LOCAL MECHANICAL VENTILATION TO KEEP LEVELS BELOW TWA.  |
| <b>NOTE:</b>        | <b>ONCE PRODUCT HAS BEEN ACTIVATED, MATERIAL SAFETY DATA SHEET FOR "WATERTITE WS TCO 2 ACTIVATOR" MUST BE CONSULTED FOR SAFE HANDLING PROCEDURES.</b> |

|                                     |   |
|-------------------------------------|---|
| <b>LEAK &amp; SPILL PROCEDURES:</b> | WEAR APPROPRIATE BREATHING APPARATUS AND PROTECTIVE GEAR ELIMINATE ALL SOURCES OF IGNITION. DIKE TO PREVENT RUN-OFF INTO SEWERS OR WATERWAYS. ABSORB WITH ABSORBANT MATERIALS. FOR LARGER SPILLS, PUMP INTO SALVAGE CONTAINERS. |
|-------------------------------------|---|

|                        |   |
|------------------------|---|
| <b>WASTE DISPOSAL:</b> | (1) DISPOSE OF BY CONTROLLED BURNING.(APPROVED INCINERATOR)<br>(2) ABSORBED MATERIAL MAY BE DISPOSED OF IN GOVERNMENT APPROVED LAND FILL SITE IN ACCORDANCE TO LOCAL STATE AND FEDERAL REGULATIONS.<br>(3) DISPOSE OF AT A LICENCED WASTE DISPOSAL COMPANY. |
|------------------------|---|

**8. PREVENTIVE MEASURES - CONT'D.....**

---

DO NOT HEAT OR CUT EMPTY CONTAINERS WITH ELECTRICAL OR GAS TORCH AS VAPOURS MAY BE HIGHLY TOXIC.

**HANDLING &  
STORAGE:**

STORE IN TIGHTLY SEALED CONTAINERS, AWAY FROM HEAT AND SOURCES OF IGNITION. TAKE PRECAUTIONS AGAINST THE BUILD UP OF ELECTROSTATIC CHARGES.  
AVOID BREATHING VAPOURS. AVOID SKIN AND EYE CONTACT.  
STORE BETWEEN 0 ° C AND 50 ° C.

**SHIPPING  
INFORMATION:**

SHIP AS A FLAMMABLE LIQUID.

**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."