

## Material Safety Data Sheet

# Milestone HPC Cementic Sealer

### **SECTION I**

Artisan Finishes  
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Revision Date: 02/28/2008  
Product Type: Urethane Coating

### **SECTION II- HAZARDOUS COMPONENTS**

<u>CAS NO.</u>	<u>Description</u>	<u>WT.% OSHA PEL</u>	<u>ACGIH TLV</u>
872-50-4	n-METHYL-2-PYRROLIDONE	4.59 Not Est.	5 ppm mist)

### **SECTION III - PHYSICAL CHARACTERISTICS**

BOILING RANGE : 212 to 396 deg F.  
WT/GL : 8.53  
VAPOR DENSITY : HEAVIER THAN AIR  
SOLIDS BY % WEIGHT: 16.06  
EVAPORATION RATE : SLOW compared to n-butyl acetate  
CALCULATED V.O.C. : 3.68 LB/GL 443 GR/LT  
SOLUBILITY IN WATER: APPRECIABLE  
APPEARANCE AND ODOR: WHITE MILKY LIQUID, MILD, AGREEABLE ODOR

### **SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

OSHA FLAMMABILITY CLASS: Not flammable  
FLASH POINT: Not applicable  
FLAMMABLE LIMITS IN AIR BY VOLUME Not applicable  
EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES: Evacuate all unnecessary personnel. Use full protective equipment, including self-contained breathing apparatus. Use water spray, preferably fog, to cool closed containers to prevent pressure build-up and possible explosion. Direct water stream is

not recommended for oil base fires. Product may float and reignite on surface of water. Do not allow product or runoff from fire control to enter storm or sanitary sewers, lakes, rivers, streams or waterways.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Dangerous air-vapor mixtures may form and ignite when exposed to sparks or flame from pilot lights, stoves, heaters, electric motors, static discharge or other sources of ignition. Vapors are heavier than air and may travel along the ground to distant locations. Free falling streams of liquid may cause static electricity build-up and create fire hazard.

### ***SECTION V - REACTIVITY DATA***

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide.

INCOMPATIBILITY (MATERIALS TO AVOID): Acids, Alkalis, Strong Oxidizing agents.

STABILITY: Stable.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: High temperature and humidity, ignition source, vapor build-up.

### ***SECTION VI - HEALTH HAZARD DATA***

PRIMARY ROUTE(S) OF EXPOSURE: Inhalation, skin contact, ingestion.

INHALATION: Vapors and mists may irritate nose, throat and lungs (burning, stinging, coughing). May cause headache, dizziness, nausea, weakness, shortness of breath and loss of coordination. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

EYES: Contact with liquid or vapors causes irritation (redness, watering, itching, stinging, blurred vision).

SKIN: Contact may cause irritation (dryness, itching, cracking, rash and swelling).

SKIN ABSORPTION: None known.

SWALLOWING: Causes nausea, vomiting and diarrhea.

CHRONIC EFFECTS FROM LONG TERM/REPEATED EXPOSURE: Long-term or repeated overexposure, without proper ventilation or personal protection, may cause damage to: dermatitis or other skin disorders.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:  
Respiratory tract irritation nausea eye disorders skin disorders  
sensitization to chemical substances.

## ***SECTION VII - FIRST AID PROCEDURES***

SWALLOWING: If person is conscious, give 1/2 glass milk or water. DO NOT induce vomiting. Call Poison Center, Emergency Room or Physician immediately. Note: Aspiration of solvents may result in chemical pneumonia.

INHALATION: Remove from exposure to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Keep person warm and quiet. Get medical attention immediately.

EYE: Immediately flush with plenty of water for 15 minutes, while lifting upper and lower eyelids. Get medical attention.

SKIN: Immediately wash with soap and water. Remove contaminated clothing and shoes. Wash or clean thoroughly before reuse. Get medical attention if irritation persists.

OTHER: Have Material Safety Data Sheet available if possible when calling Poison Center, Emergency Room or Physician.

## ***SECTION VIII - PERSONAL PROTECTION***

RESPIRATORY PROTECTION: Use NIOSH approved cartridge respirator to keep vapor/mist levels of hazardous ingredients (listed in section IIA) below the occupational exposure limits (PEL and TLV). If exposure levels are unknown, or limits exceeded, use full face piece air-purifying cartridge respirator for organic vapors and mists. Use filters to avoid breathing spray particles or sanding dusts. Follow respirator manufacturer's instructions for use.

VENTILATION: Provide general mechanical ventilation or local exhaust to keep vapor concentrations below the PEL's and TLV's in section II and Lower Flammable Limits in section IV.

**HAND PROTECTION:** When necessary, wear impermeable gloves to prevent skin contact. Consult safety equipment supplier for specific recommendation of construction material.

**EYE PROTECTION:** Wear safety glasses, with side shields, designed to protect eyes against liquid splash and mists. Note: Contact lenses may contribute to the severity of an eye injury and should not be worn when working with chemicals.

**OTHER PROTECTIVE EQUIPMENT:** When necessary, wear protective clothing, including head cap, to avoid skin contact with liquid or overspray.

**WORK/HYGIENIC PRACTICES:** Eye washes and safety showers are recommended in the workplace. Wash hands after using and before eating, drinking or using tobacco products. Thoroughly clean contaminated clothing and shoes before reuse. Periodically monitor exposure levels to hazardous ingredients listed in section II and review permissible limits.

## ***SECTION IX - SPILL OR LEAK PROCEDURES***

**SPILLS:** If material is spilled eliminate ignition sources and ventilate area. Evacuate unnecessary personnel. Wear full protective equipment. Dike and contain spill with inert material. Transfer liquid to containers for disposal or recovery. Prevent material from entering storm or sanitary sewers and open bodies of water.

**WASTE DISPOSAL:** Waste material and empty containers must be disposed of in accordance with all local, state and federal environmental control regulations. Use only approved waste management facilities.

## ***SECTION X - SPECIAL PRECAUTIONS***

**HANDLING PRECAUTIONS:** Use proper methods of ventilation to prevent vapor build-up. Avoid spraying hot surfaces. Avoid breathing vapors and spray mists. Avoid contact with eyes and skin. Do not take internally. Use adequate methods of ventilation, respiratory and personal protective equipment. Do not remove or deface label. Do not transfer to unlabeled container.

**SHIPPING AND STORAGE PRECAUTIONS:** Keep from freezing. Keep containers closed when not in use and during transit. Keep in upright position and protect container from damage. Store in buildings or areas

designed and protected for storage of products with this flammability rating. Do not store above 120°F. Keep out of reach of children.

DOT CLASS: W/B PAINT NOT REGULATED KEEP FROM FREEZING!!!

***SECTION XI - DISCLAIMER***

DISCLAIMER: THE INFORMATION CONTAINED HEREIN HAS BEEN COMPILED FROM SOURCES CONSIDERED TO BE RELIABLE. TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ALL INFORMATION IS ACCURATE AND IS PROVIDED IN GOOD FAITH. HOWEVER, NO GUARANTEE OF ACCURACY IS MADE OR IMPLIED.