

**MATERIAL SAFETY DATA SHEET**  
**CPU Primer/Sealer**

**SECTION 1 IDENTIFICATION**

**Product Name: CPU Primer/Sealer**

**Manufactured for:**  
DUMOND CHEMICALS, INC  
104 Interchange Plaza  
Suite 202  
Monroe Township, NJ 08831

MSDS Date of Preparation: 6/23/11

**EMERGENCY PHONE:** (800)457-4280 (InfoTrac) #79363

**SECTION 2 PRODUCT COMPONENTS**

<b>INGREDIENTS</b>	<b>CAS#.</b>	<b>WT.%</b>	<b>EXPOSURE LIMITS .</b>
n-Methyl-2-pyrrolidone	872-50-4	1-5	10 ppm TWA skin AIHA WEEL
Proprietary Ingredients	Mixture	10-30	None Established
Water	7732-18-5	70-90	None Established

**SECTION 3: HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

**CAUTION!**

This product is a clear to slightly amber liquid with a mild odor. May cause eye irritation. Vapors or mists may cause irritation, headache, nausea or drowsiness. Skin contact may cause irritation. May be absorbed through the skin in harmful amounts. Swallowing may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

**HEALTH HAZARDS:**

**INHALATION:** Mist and vapors may cause respiratory irritation with coughing, watering of the eyes and sore throat. Overexposure may cause headache, nausea, drowsiness and abdominal pain.

**SKIN CONTACT:** Contact may cause irritation with redness and defatting of the skin on prolonged contact. Widespread or prolonged contact may cause absorption with symptoms similar to inhalation or ingestion.

**EYE CONTACT:** May cause irritation with redness, tearing and blurred vision.

**INGESTION:** Swallowing may cause gastrointestinal irritation with nausea, vomiting, cramps and diarrhea.

**CHRONIC EFFECTS OF OVEREXPOSURE:** Prolonged or repeated exposure may cause skin irritation with redness and defatting of the skin.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Individuals with skin diseases may be at increased risk from exposure to this material.

**SECTION 4 EMERGENCY and FIRST AID PROCEDURES**

**EYE CONTACT:** Flush eye with water for at least 15 minutes while lifting the upper and lower lids. Get medical attention if irritation persists.

**SKIN CONTACT:** Wash thoroughly with soap and water until no traces of the chemical remains. Remove contaminated clothing and launder before reuse. Get medical attention if irritation or symptoms of exposure develop.

**INHALATION:** Remove victim to fresh air. If breathing has stopped give artificial respiration. If breathing is difficult have qualified personnel administer oxygen. Get medical attention.

#### SECTION 4 EMERGENCY and FIRST AID PROCEDURES (continued)

**INGESTION:** If conscious, give 1-2 glasses of water to dilute. Do not induce vomiting unless directed to by medical personnel. Never give anything by mouth to a person who is unconscious or convulsing. Get immediate medical attention.

#### SECTION 5 FIRE and EXPLOSION HAZARD DATA

**FLASH POINT:** >200°F

**FLAMMABLE LIMITS: (vol % in air)**

**LEL – N/A**

**UEL – N/A**

**AUTOIGNITION TEMPERATURE:** Not applicable

**EXTINGUISHING MEDIA:** Use foam, carbon dioxide, dry chemical or water fog to extinguish the fire.

**SPECIAL FIREFIGHTING PROCEDURES:** Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Not considered a fire or an explosion hazard.

#### SECTION 6 ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Wear appropriate protective clothing and equipment to prevent contact. Dike spill and collect into closable containers for disposal with an inert absorbent. Prevent spill from entering sewers and waterways. Report spill as required by local and federal regulations.

#### SECTION 7 HANDLING and STORAGE

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Keep container tightly closed. Store in a cool, well ventilated area.

Avoid eye and prolonged skin contact. Avoid breathing vapors or mists. Use with adequate ventilation. Remove and launder contaminated clothing before re-use. Wash thoroughly after handling.

**OTHER PRECAUTIONS:** Empty containers retain product residues. Follow all MSDS precautions in handling empty containers.

#### SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION

**RESPIRATORY PROTECTION:** None needed under normal use conditions with adequate ventilation. If mist is generated and for large jobs where the recommended exposure limit may be exceeded use a NIOSH approved respirator with organic vapor cartridges and a dust/mist prefilter. For higher concentrations, a NIOSH approved supplied air respirator (with escape bottle if required) or self-contained breathing apparatus may be required. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

**VENTILATION:** Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions. If the recommended exposure limit is exceeded increased mechanical ventilation such as local exhaust may be required.

**GLOVES:** Butyl rubber or other impervious gloves are required.

**PROTECTIVE CLOTHING:** Impervious apron, boots and other clothing are recommended if needed to prevent contact or if splashing is possible.

**EYE PROTECTION:** Chemical safety glasses or goggles required. Do not wear contact lenses.

**OTHER PROTECTIVE EQUIPMENT:** For operations where contact can occur, a safety shower and an eye wash facility should be available.

#### SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

**BOILING POINT (@ 760 mmHg):** 212°F  
**SPECIFIC GRAVITY (H2O=1):** 1.0-1.04  
**VOLATILE:** Not determined  
**EVAPORATION RATE:** Same as Water  
**pH:** 8.5-10  
**VOC Content:** Not determined  
**APPEARANCE AND ODOR:** Clear to slightly amber liquid with a mild odor.

**MELTING POINT:** 32°F  
**VAPOR PRESSURE:** Not determined  
**VAPOR DENSITY (AIR=1):** Not available  
**SOLUBILITY IN WATER:** Soluble  
**COEFFICIENT OF WATER/OIL:** Not available

#### SECTION 10 STABILITY and REACTIVITY

**STABILITY:** This material is stable.  
**CONDITIONS TO AVOID:** None known.  
**INCOMPATIBILITY:** Avoid oxidizing agents and mineral acids.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may yield carbon dioxide, carbon monoxide and nitrogen oxides.  
**HAZARDOUS POLYMERIZATION:** Will not occur.  
**CONDITIONS TO AVOID:** Not applicable.

#### SECTION 11 TOXICOLOGICAL INFORMATION

**TOXICOLOGY DATA:** This product has not been tested as a whole. Toxicity values for the components are:

	<u>LD50</u>	<u>LC50</u>
n-Methyl-2-pyrrolidone	3914 mg/kg oral rat 8000 mg/kg skin rabbit	No data available

None of the components are listed as a carcinogen or suspect carcinogen by NTP, IARC or OSHA.

None of the components have been found to be mutagenic.

None of the components are known to cause sensitization in animals or humans.

n-Methyl-2-pyrrolidone has been found to cause toxicity in the fetus of laboratory animals exposed during pregnancy.

#### SECTION 12: ECOLOGICAL INFORMATION

n-Methyl-2-pyrrolidone: LC50/96-hour fish: >100 mg/l

#### SECTION 13: DISPOSAL INFORMATION

**WASTE DISPOSAL METHOD:** Dispose in accordance with all local, state and federal regulations.

#### SECTION 14: TRANSPORTATION INFORMATION

**DOT SHIPPING NAME:** Not Regulated  
**DOT HAZARD CLASSIFICATION:** N/A  
**DOT LABELS REQUIRED (49CFR172.101):** None  
**UN NUMBER:** N/A

#### SECTION 15: REGULATORY INFORMATION

**OSHA HAZARD CLASSIFICATION:** Irritant, toxic

#### SECTION 15: REGULATORY INFORMATION (continued)

**EPA SARA 311 HAZARD CLASSIFICATION:** Acute health

**EPA SARA 313:** This product contains the following chemicals regulated under SARA Title III, section 313:  
n-Methyl-2-pyrrolidone                      1-5%

**CERCLA Hazardous Substances (Section 103)/RQ:** This product is not subject to CERCLA reporting requirements as it is sold. Refer to CERCLA regulations to determine if the used product may be reportable. Many states have more stringent release reporting requirements. Report spills as required under federal, state and local regulations.

**TOXIC SUBSTANCES CONTROL ACT:** All of the components of this product are listed on the TSCA inventory.

**WHMIS CLASSIFICATION:** Class D - Division 2B (Toxic material causing other toxic effects)  
This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.

**CANADIAN ENVIRONMENTAL PROTECTION ACT:** All of the components of this product are listed on the Canadian Domestic Substances List (DSL).

**EUROPEAN INVENTORY OF COMMERCIAL CHEMICAL SUBSTANCES:** All of the components of this product are listed on the EINECS Inventory.

**CALIFORNIA PROPOSITION 65:** This product contains n-Methyl-2-pyrrolidone which is known to the State of California to cause developmental toxicity (birth defects).

<b>SECTION 16: OTHER INFORMATION</b>
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NFPA Rating:    Health: 1              Fire: 1              Reactivity: 0

Revision Summary: Section 15 Regulatory Information: California Proposition 65