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## MATERIAL SAFETY DATA SHEET

Page 1 of 2

### SECTION I - PRODUCT IDENTIFICATION

**TRADE NAME:** UP-28-0VOC Adhesive  
**COMMON NAME:** Urethane Wood Flooring Adhesive  
**DISTRIBUTOR:** Nydree Flooring, LLC  
**EMERGENCY CONTACT:** 800.227.0332  
**TECHNICAL INFORMATION:** 434.525.5252  
**NFPA/HMIS RATINGS:** Health=2\*, Fire=1, Reactivity=0  
**DOT / IATA / IMDG:** This product is not regulated as hazardous goods for ocean, ground or air shipment.

**CAS NUMBER:** None - Mixture  
**CHEMICAL NAME:** N/A  
**DATE PREPARED:** 07.23.10  
**REPLACES:**

### SECTION II - INGREDIENTS/IDENTITY INFORMATION

COMPONENT (CAS NUMBER)	TWA (SOURCE)
Methylene Diphenyl Isocyanate, MDI (101-68-8) 0.1-1%	0.005 ppm TWA (ACGIH)
<b>OSHA REG.29 CRF 1910.1200:</b> MDI <b>SARA TITLE III SECTION 313:</b> MDI	

### SECTION III - PHYSICAL DATA

**SPECIFIC GRAVITY:** 1.648 (Water = 1)    **FREEZE PROTECTION:** Not necessary.  
**DENSITY:** 13.73 lbs./gal  
**SOLUBILITY IN WATER:** 0.0%  
**VOLATILE ORGANIC COMPOUNDS:** 0%.  
**TARGET SOLIDS:** 100%  
**APPEARANCE AND ODOR:** Light tan paste with virtually no odor.

### SECTION IV - FIRE AND EXPLOSION DATA

**FLASH POINT:** 500 °F (260 °C)  
**EXTINGUISHING MEDIA:** Carbon dioxide, foam, or dry chemical. Use water spray (fog) on large fires.  
**SPECIAL FIRE FIGHTING PROCEDURES:** Firefighters should wear self-contained, positive-pressure breathing apparatus, due to thermal decomposition of products which could include isocyanate vapors and other highly toxic gases. Wear NFPA compliant structural fire fighting protective equipment, helmet, hood, boots and gloves.  
**UNUSUAL FIRE AND EXPLOSION HAZARD:** Temperatures above 400°F may cause explosive rupture of closed containers. MDI vapors and other irritating toxic gases may be produced in a fire.

### SECTION V - HEALTH HAZARDS

**SKIN CONTACT:** Skin contact may cause irritation. Repeated contact may cause skin sensitization.  
**EYE CONTACT:** May cause irritation with temporary redness with stinging and tearing. May cause temporary corneal injury. **INHALATION:** Vapors and mists from this product are respiratory irritants. Single large doses, and/or repeated exposures, may lead to sensitization to diisocyanates or polyisocyanates (asthma or asthma-like symptoms). Symptoms may include headache, chest tightness, wheezing, shortness of breath, coughing, sore throat or asthmatic attack, and may be delayed up to several hours. Extreme asthmatic reactions can be life threatening. Once sensitized, an individual may experience adverse symptoms upon exposure to dust, cold air or other irritants. Sensitization can last several months, years or be permanent in some cases. Chronic exposure may cause lung damage, including fibrosis and decreased lung function, which may be permanent. **INGESTION:** Unlikely route of exposure. This product can cause nausea, vomiting, and diarrhea. **TARGET ORGANS:** Lungs and skin.

**MATERIAL SAFETY DATA SHEET****SECTION VI - REACTIVITY DATA**

**STABILITY:** This product is stable under normal conditions but will react slightly with water to release some heat and carbon dioxide. The reaction is not violent. **INCOMPATIBILITY:** Avoid strong acids. Avoid amines, strong bases, alcohols and metallic hydrides. **HAZARDOUS POLYMERIZATION:** Can occur at elevated temperatures or contact with water.

**HAZARDOUS DECOMPOSITION PRODUCTS:** If product is burned carbon monoxide, carbon dioxide, low molecular weight hydrocarbons, oxides of nitrogen, amines, hydrogen cyanide, isocyanate-containing compounds and other unknown products may be produced.

**SECTION VII - USER PROTECTION INFORMATION**

**VENTILATION:** Use local exhaust or general ventilation to keep vapors to a minimum.

**RESPIRATORY PROTECTION:** Not normally needed with good ventilation. Avoid breathing vapor and/or mists. **PROTECTIVE CLOTHING:** Wear chemical resistant gloves and clothing to prevent skin contact.

**EYE PROTECTION:** Use of safety glasses with side shields or goggles is recommended.

**SECTION VIII - EMERGENCY AND FIRST AID PROCEDURES**

**EYES:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. **SKIN:** Wash exposed area with industrial soap or non-toxic grease remover. If irritation or rash develops, avoid further contact, call a physician. **INHALATION:** Remove to fresh air. If breathing has stopped, administer respiration or oxygen if available. If symptoms continue, seek medical attention.

**INGESTION:** Contact a physician or emergency medical facility immediately. Do not induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to a victim who is unconscious or is having convulsions. **NOTES TO PHYSICIAN:** A component of this product is a potential skin sensitizer. Treat symptomatically as for contact dermatitis or thermal burn. Persons with hypersensitivities to isocyanates should be removed from exposure to any isocyanates. May aggravate existing heart conditions, particularly those with abnormal heart rhythms. **HAZARD STATEMENT:** MDI has been shown to alter cells in certain experiments. Although inconclusive, these cellular changes are thought to indicate potential carcinogenicity. Risk to your health depends on duration and concentration of exposure.

**SECTION IX - SPILL OR LEAK PROCEDURES**

See Section VII for protection information. Isolate spill area. Stop discharge if safe to do so. Stop material from contaminating soil or from entering sewers or water streams. Ventilate and thoroughly clean area. Scrape material into containers for proper disposal according to federal, state, and local regulations. Remove container to a safe place, cover loosely and allow to stand for 24 to 48 hours letting evolved carbon dioxide escape. Collect and contain for disposal.

**SECTION X - MISCELLANEOUS**

**HANDLING:** Avoid contact with skin, eyes and clothing. Wash thoroughly after handling, especially before eating, drinking, smoking, and using restroom facilities. Use this product with adequate ventilation.

**STORAGE:** Store in a cool, dry, well-ventilated area away from heat, and direct sunlight. Water contamination should be avoided. Store at 60-80 °F or 15-30 °C. Keep containers closed. **EMPTY**

**CONTAINERS:** Let residue cure and then dispose of container. Do not reuse empty containers.

**WHMIS:** Status: Controlled. Class: D2A – Other Toxic Effects – VERY TOXIC

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