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## MATERIAL SAFETY DATA SHEET

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### SECTION I - PRODUCT IDENTIFICATION

**TRADE NAME:** UP-28 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=2, Reactivity=0  
**DOT / IATA / IMDG:** This product is not regulated for ocean, ground or air shipment.

**CAS NUMBER:** None - Mixture  
**CHEMICAL NAME:** N/A  
**DATE PREPARED:** 01.17.10  
**REPLACES:** 06.02.08

### 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)
Stoddard Solvent (8052-41-3) 3-7%	100 ppm TWA (ACGIH / OSHA)
Methyl Alcohol (67-56-1) <0.1%	200 ppm TWA (ACGIH / OSHA)

**OSHA REG.29 CRF 1910.1200:** MDI, Methyl Alcohol  
**SARA TITLE III SECTION 313:** MDI, Methyl Alcohol

### SECTION III - PHYSICAL DATA

**BOILING POINT:** 310° – 405 °F  
**MELTING POINT:** Not Applicable  
**SPECIFIC GRAVITY:** 1.51 (Water = 1)  
**DENSITY:** 12.66 lbs./gal  
**SOLUBILITY IN WATER:** 0.0%  
**VOLATILE ORGANIC COMPOUND:** 86 g/L  
**TYPICAL SOLIDS:** 93.0%  
**EVAPORATION RATE:** 0.1 (Butyl Acetate = 1), 52.59 (Ethyl Ether = 1)  
**APPEARANCE AND ODOR:** Light tan paste with mild solvent odor.

**VAPOR DENSITY:** 5.00 (Air=1)  
**FLASH POINT:** >142 °F Closed Cup  
**VAPOR PRESSURE:** 2mm Hg

### SECTION IV - FIRE AND EXPLOSION DATA

**EXTINGUISHING MEDIA:** Carbon dioxide, foam, or dry chemical. Use water spray on large fires.  
**SPECIAL FIRE FIGHTING PROCEDURES:** Firefighters should wear self-contained, positive-pressure breathing apparatus, due to thermal decomposition of products. Wear full protective clothing and avoid skin contact.  
**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. **INHALATION:** Vapors and mists from this product are respiratory irritants. Repeated inhalation may result in lung damage. Symptoms may include irritation to the eyes, nose, throat, and lungs, possibly combined with dryness of the throat, tightness of the chest, and difficult in breathing. **INGESTION:** Unlikely route of exposure. This product can cause nausea, vomiting, and diarrhea. **TARGET ORGANS:** Eyes, lungs and skin.

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### SECTION VI - REACTIVITY DATA

**STABILITY:** Stable under normal conditions. **INCOMPATIBILITY:** Strong oxidizers, strong alkali and strong acids. **HAZARDOUS POLYMERIZATION:** Not likely to occur. Curing of product releases carbon dioxide. If curing occurs within a close container, pressure buildup may result. **HAZARDOUS DECOMPOSITION PRODUCTS:** If product is burned carbon monoxide, carbon dioxide, oxides of nitrogen, amines, isocyanate-containing compounds and other unknown products may be produced.

### SECTION VII - USER PROTECTION INFORMATION

**VENTILATION:** Local exhaust is preferred to keep vapors to a minimum. **RESPIRATORY PROTECTION:** Not normally needed. **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:** No harmful effect is anticipated. Do not induce vomiting unless instructed to do so by medical personnel. If victim is conscious and not convulsing give 1 or 2 glasses of water to dilute the chemical. Contact a physician or emergency medical facility immediately. **NOTES TO PHYSICIAN:** A component of this product is a potential skin sensitizer. Treat symptomatically as for contact dermatitis. 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. Ventilate and thoroughly clean area. Scrape material into containers for proper disposal according to federal, state, and local regulations.

### SECTION X - MISCELLANEOUS

**HANDLING:** Avoid contact with skin and eyes. Wash thoroughly after handling. Use this product with adequate ventilation. **STORAGE:** Store in a clean, dry area. Keep containers closed. **EMPTY CONTAINERS:** Let residue cure and then dispose of container. Do not reuse empty containers.

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