

### FT530 Moisture Cured Urethane

FT530 Moisture Cured Urethane is an oil-free, clear moisture cure urethane coating for concrete floors. Can be used as a clear or in combination with UR-4 Color Add to provide a variety of different colored floors.

#### I. IDENTIFICATION

Manufacturer Phone: 773.376.7132  
Trade Name: FT530 Moisture Cured Urethane  
Product Type: Polyurethane  
DOT Shipping Name: Flammable Liquid. Complies with 29CFR 1910.1200 (The Hazard Communication Standard)  
HMIS Codes: Health=3 Fire=3 Reactivity=0 (None=0—Extreme=4)  
Emergency Phone:

#### II. HAZARDOUS INGREDIENTS

INGREDIENTS:	CAS #	WEIGHT %	ACGIH/TLV	OSHA PEL	VAPOR PRESSURE
*XYLENE	1330-20-7	50%-75%	100 p.p.m.	100 p.p.m.	21
ETHYLBENZENE	100-41-4	Not Established	100 p.p.m.	Not Established	Not Established
PM ACETATE	108-65-6	1%-5%	Not Established	Not Established	4
TOLUENE DIISOCYANATE	26471-62-5	<1	.01 p.p.m.	.02 p.p.m.	0
80% 2, 4 TOLUENE DIISOCYANATE	584-84-9	Not known	.005	Not known	Not known
20% 2, 6 TOLUENE DIISOCYANATE	91-08-7	Not known	.005	Not known	Not known

In a National Toxicology Program (NTP) study, this material was carcinogenic when given orally to rats and mice at maximum tolerated doses. This material was not carcinogenic to rats in a two year inhalation study. Based on the results of the ORAL study, this material was included in the NTP annual report on carcinogens.

\* Section 313 supplier notification. This ingredient is subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372.

#### III. PHYSICAL DATA

**Boiling Range:** 243°F-484°F  
**Vapor Density:** Heavier than air  
**Liquid Density:** Lighter than water.  
**Evaporation Rate:** 0.67 x n-Butyl Acetate  
**% Volatile By Volume:** 60.6%  
**Weight by Gallon:** 8.09 lbs.  
**Appearance and Odor:** Clear liquid

#### IV. FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** 81°F.  
**Lower Explosive Limit:** 1.1%  
**Extinguishing Media:** Foam, carbon dioxide, or dry chemical.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Water pressure may spread a flammable liquid fire. Sealed containers may explode if over-heated.

**Special Firefighting Procedures:** Water may be used to keep exposed containers cool, and to keep flammable structures wet. Do not enter fire area without proper protection because hazardous decomposition products may be present.

#### V. HEALTH AND SAFETY

**Threshold Limit Value:** Warning: Care must be taken not to exceed the exposure limit for the lowest TLV shown in Section II. When in doubt, wear an approved respirator and order air sampling tests.

#### **Effects of Overexposure:**

Eyes: Severe eye irritation possibly resulting in permanent damage.  
Skin: Can cause skin dryness and sensitization after repeated contact.

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## Material Safety Data Sheet

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Inhalation: (Continued from page 1)	Will cause irritated mucous membranes. May cause headache, dizziness, nausea and loss of consciousness.  Overexposure to aromatic isocyanates will cause irritation to the respiratory tract (dry throat, cough, shortness of breath and chest tightness) resulting in sinusitis, bronchitis and asthma like symptoms.
Ingestion:	Can cause vomiting.
<b>Emergency and First Aid Procedures:</b>	
Eyes:	Flush immediately with water for fifteen minutes, get medical attention immediately.
Skin:	Flush with water while removing contaminated clothing and shoes. Follow by washing with soap and water. Do not reuse contaminated clothing or shoes. If irritation persists, get medical attention.
Inhalation:	Remove to fresh air. If in a coma or breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. In either case get medical attention immediately. Keep person warm and quiet.
Ingestion:	If swallowed, call physician immediately. Only induce vomiting on instructions of physician. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Never give anything by mouth to an unconscious person.

## VI. REACTIVITY DATA

### **Conditions To Avoid:**

Avoid heat, sparks, open flames and incompatibilities above high temperature, strong oxidizing conditions, extended contact with air/oxygen. WARNING: Do not spray this material.

### **Hazardous Decomposition Products:**

Incomplete combustion for products like this may generate highly poisonous carbon monoxide and other toxic gases.

### **Hazardous Polymerization:**

Will not occur.

### **Incompatibility:**

May be incompatible with oxidizing agents and strong alkalines.

### **Stability:**

Stable

## VII. SPILL OR LEAK PROCEDURES

WARNING: Flammable. Eliminate all ignition sources. Handling equipment must be grounded to prevent sparking. Soak up with an absorbent and place in non-leaking containers. Seal tightly for proper disposal.

Waste Disposal Method: Dispose of in accordance with Federal, State and local regulations. Use licensed hazardous waste disposal company.

## VIII. SAFE HANDLING AND USE INFORMATION

### **Respiratory Protection:**

Properly fitted NIOSH/MSHA approved respirators shall be used during application unless air monitoring demonstrates vapor/mist levels are below applicable limits. Because this material contains aromatic isocyanates, a positive pressure, supplied air OSHA/MSHA approved respirator must be worn if airborne concentrations are unknown or if the airborne concentrations exceed the applicable limits. Individuals having a history of respiratory illness or asthmatic conditions should be precluded from exposure.

### **Ventilation:**

Effective engineering controls should be used whenever possible.

### **Protective Gloves:**

Use rubber gloves.

### **Eye Protection:**

Safety glasses with side shields

### **Other Protective Equipment:**

Have eye bath and safety shower available.

## IX. SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling and Storing:** Treat as a hazardous flammable material. Know applicable DOT regulations before attempting to transport this material. WARNING: Hot organic chemical vapors or mists are susceptible to sudden spontaneous combustion when mixed with air. Ignition may occur at temperatures below those published in the literature as "auto ignition" or "ignition" temperatures. Ignition temperatures decrease with increasing vapor volume and vapor/air contact time and are influenced by pressure changes. Ignition may occur at typical elevated temperature process conditions, especially in process operating under vacuum if subjected to sudden ingress of air, or outside process equipment operating under elevated pressure if sudden escape of vapors or mists to the atmosphere occurs. Any proposed use of this product in elevated temperature processes should be thoroughly evaluated to assure that safe operation conditions are established and maintained.

## Safety Statement

The information presented is believed to be accurate, but is not warranted to be whether originating from manufacturer or not. Recipients are advised to confirm in advance, that the information is current, applicable, and relative to their individual circumstance.