

### FT540 High Solids VOC Urethane

FT540 High Solids VOC Urethane is an oil-free, VOC compliant, clear moisture cure urethane coating for concrete floors that can be applied in one coat. Replaces two coats of conventional urethane with applicable primer. Additionally, FT540 can be used as a clear coat or in combination with FloorTech® pigment to provide a variety of colored floors.

#### I. IDENTIFICATION

Manufacturer Phone: 773.890.0014  
Trade Name: FT540 High Solids VOC Urethane  
Product Type:  
DOT Shipping Name:  
Emergency Phone:

#### II. HAZARDOUS INGREDIENT

INGREDIENTS:	CAS #	TLV TWA	TLV STEL	OSHA PEL	CEILING	RECOMMEND	WEIGHT %
<b>POLYURETHANE RESIN (1, 3-BUTANEDIOL, POLYMER WITH 1, 3-DIISOCYANATO-2-METHYL BENZENE, 2, 4-DIISOCYANATO-1-METHYLBENZENE, 2-ETHYL-2-(HYDROXYMETHYL)-1, 3-PROPANEDIOL AN</b>	68259-30-3	Not Established	Not Established	Not Established	Not Established	Not Established	60%-65%
<b>METHYL N-AMYL KETONE (2-HEPTANONE)</b>	110-43-0	50 p.p.m.	Not Established	100 p.p.m.	Not Established	Not Established	1%-5%
<b>PROPYLENE GLYCOL MONO METHYL ETHER ACETATE (2-PROPANOL, 1-METHOXY-ACETATE)</b>	108-65-6	Not Established	Not Established	Not Established	Not Established	Not Established	10%-15%
<b>*METHYL ISOBUTYL KETONE</b>	108-10-1	50 p.p.m.	75 p.p.m.	Not Established	Not Established	Not Established	<5%
<b>*ETHYLBENZENE(1)</b>	100-41-4	100 p.p.m.	125 p.p.m.	100 p.p.m.	Not Established	Not Established	<5%
<b>*XYLENE (PHENYL, DIMETHYL)</b>	1330-20-7	100 p.p.m.	150 p.p.m.	100 p.p.m.	Not Established	Not Established	<25%

Chemicals noted with \* are reportable under section 313 of SARA Title III. (1) Material is a carcinogen per IARC. All components of this product are in compliance with US TSCA Chemical Substance Inventory requirements.

#### III. PHYSICAL DATA

**Boiling Range:** 237°F  
**Vapor Density:** 4.6  
**Vapor Pressure:** mmHg 15.0 @ 68°F.  
**Specific Gravity:** 1.01  
**Solubility in Water:** No  
**Evaporation Rate:** 1.6  
**% Volatile by Volume:** 45.11%  
**Appearance and Odor:**

#### IV. FIRE AND EXPLOSION HAZARD DATA

**Flash Point TCC/PM:** 81°F  
**Lower Explosive Limit:** 1.00  
**Upper Explosive Limit:** 13.00  
**Extinguishing Media:** In case of fire, use water spray (fog), alcohol foam, dry chemical, or carbon dioxide. Water may be ineffective.

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## Material Safety Data Sheet

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Water spray (fog) may be used to cool containers.

**Special Firefighting Procedures:** Fire fighters must wear self contained breathing apparatus or air masks. Containers exposed to fire should be kept cool with water spray.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers may explode due to build up of pressure when exposed to heat.

### V. HEALTH AND SAFETY

**Threshold Limit Value:** Not required for mixture.

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

Eyes: Irritation

Skin: Can be absorbed through the skin. Can cause irritation.

Inhalation: Harmful if inhaled. May affect the brain, nervous system or respiratory system, causing dizziness, headache, nausea or respiratory irritation. As a result of previous exposures or a large single dose certain individuals will develop isocyanate sensitization (chemical asthma) which will cause them to react to subsequent exposures to isocyanates below the TLV. Symptoms are wheezing, coughing, shortness of breath or asthmatic attack. Individuals may develop lung sensitivity which may persist for long periods. May cause lung damage or impairment. Sensitization may be temporary or permanent. May cause nose and throat irritation.

Ingestion: Harmful if swallowed, liver damage and/or kidney damage may result.

**Chronic Effects:** Possible sensitization notice: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Contains ethyl benzene, which may cause liver damage, kidney damage as well as mucous membrane irritation.

**Medical Conditions Generally Aggravated by Exposure:** Any respiratory or skin condition.

#### **Emergency and First Aid Procedures:**

Eyes: Flush immediately with plenty of water for at least fifteen minutes and get medical attention.

Skin: Wash thoroughly with soap and water.

Inhalation: If affected by inhalation of vapor or spray mist, remove to fresh air.

Ingestion: If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. If available, give several glasses of milk. Get medical attention immediately.

### VI. REACTIVITY DATA

**Conditions to Avoid:** None

#### **Hazardous Decomposition**

**Products:** Nitrogen oxides, carbon dioxide and carbon monoxide.

**Hazardous Polymerization:** None

**Incompatibility:** Strong oxidizers.

**Stability:** Stable

### VII. SPILL OR LEAK PROCEDURES

Ventilate area. Avoid breathing of vapors. Use self contained breathing apparatus or air mask for large spills in a confined area. Eliminate ignition sources. Remove with inert absorbent and non-sparking tools. Avoid contact with eyes.

Waste Disposal Method: Dispose in chemical disposal area or in a manner that complies with local, State and Federal regulations. Do not incinerate closed containers.

### VIII. SAFE HANDLING AND USE INFORMATION

**Respiratory Protection:** If the product is sprayed respiratory equipment should be used. Unless air monitoring demonstrates vapor/mist levels above applicable limits, no respirator is required. If respirator is required, the appropriate, properly fitted respirator (NIOSH/MSHA approved) should be worn during application.

**Ventilation:** Required when spraying or applying in confined area.

**Protective Clothing:** Required for spraying or in a confined area, ventilation equipment should be explosion proof. Eliminate ignition sources. Neoprene or other non-porous material. For spray application, use chemical goggles as a minimum, otherwise use safety glasses with side shields. Use neoprene or plastic apron and protective clothing covering exposed skin areas.

### IX. SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling and Storage:** Keep away from heat, sparks and open flames. Keep container closed when not in use. Do not store above 120°F based on the product flash point and vapor pressure, suitable storage should be provided in accordance with OSHA regulation 1910.106. Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture or weld on or near container. All label warnings must be observed until the container has been cleaned or reconditioned.

### 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 of need, that the information is current, applicable, and relative to their individual circumstance.