



MATERIAL SAFETY DATA SHEET

FT630 Enviro Water Based Urethane Part A

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FT630 Enviro Water Based Urethane is a breakthrough in WBU research. The key to the low VOC level of this water based urethane is the unique reaction chemistry allowed in water, instead of organic solvents. FT630 shows superior abrasion resistance and guards against moderate chemical spills. It rivals the high performance properties achieved with typical solvent based systems.

I. IDENTIFICATION

Manufacturer Phone: 773.890.0014
Trade Name: FT630 Enviro Water Based Urethane
Product Type: Coatings Product
DOT Shipping Name: Complies with 29CFR 1910.1200 (The Hazard Communication Standard)
Emergency Phone:

II. HAZARDOUS INGREDIENTS

INGREDIENTS:	CAS #	TLV TWA	OSHA PEL	TLV STEL	CEILING	RECOMMEND
PROPRIETARY RESIN	Trade Secret	Not Established	Not Established	Not Established	Not Established	1.00 units N

There are no SARA 313 chemicals in this product. All components are in compliance with US TSCA Chemical Substance Inventory requirements.

III. PHYSICAL DATA

Boiling Range: NA
Vapor Density: NA
Solubility in Water: No
Evaporation Rate: NA
% Volatile by Volume: 0.0%
Coefficient of Water / Oil Distribution: NA
Appearance and Odor:

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point TCC/PM: 400 °F
Lower Explosive Limit: NA
Upper Explosive Limit: NA
Extinguishing Media: In case of fire, use water spray (fog), alcohol foam, dry chemical or carbon dioxide. Water spray may cause frothing when solid streams are directed on a fire. Spray of fog can be carefully used to cool containers and keep exposed material from being damaged by fire.

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

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.

V. HEALTH AND SAFETY

Threshold Limit Value: Not required for mixture.
Effects of Overexposure:
Eyes: Irritation.
Skin: Redness and/or dryness.
Inhalation: harmful if inhaled. May affect the brain, nervous system, or respiratory system, causing dizziness, headache, nausea or respiratory irritation.
Ingestion:
Chronic Exposure: Possible sensitization, where certain individuals may develop isocyanate sensitization which causes a reaction to isocyanates below the TLV. Chronic exposure may cause lung damage. Isocyanate vapors or mists at concentrations greater than the TLV can irritate the respiratory system causing runny nose, sore throat, coughing and shortness of breath. Persons with pre-existing, non-specific bronchial hyperreactivity can respond to concentrations lower than the TLV with symptoms as well as an asthma attack. At cure temperatures, caprolactam and isocyanate vapors may evolve. Contains ingredients which may cause eye irritation, skin irritation, skin and respiratory sensitization.

Medical Conditions Prone to Aggravation by Exposure: None known.

Emergency and First Aid Procedures:

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Eyes: Flush immediately with water for fifteen minutes, get medical attention.
Skin: Wash thoroughly with soap and water. Remove contaminated clothing and shoes. Clean before reuse and destroy contaminated shoes.

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Inhalation: If affected by vapors or spray mist, 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.
Ingestion: 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/monoxide and ammonia compounds.

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 PEL or TLV is exceeded, use NIOSH/MSHA approved and properly fitted respirator.

Ventilation: Required when spraying or applying in confined area.

Protective Clothing: Avoid contact with eyes. Wear chemical goggles if there is the possibility of contact or splashing in the eyes. Avoid prolonged or repeated contact with skin. Wear chemical resistant gloves and other clothing to keep exposure to a minimum. Contact lenses should not be worn when working with chemicals because contact lenses may contribute to the severity of an eye injury in case of exposure.

IX. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing: Store away from heat, sparks and flame. Keep containers tightly closed. 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, that the information is current, applicable, and relative to their individual circumstance.

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FT630 Enviro Water Based Urethane is a breakthrough in WBU research. The key to the low VOC level of this water based urethane is the unique reaction chemistry allowed in water, instead of organic solvents. FT630 shows superior abrasion resistance and guards against moderate chemical spills. It rivals the high performance properties achieved with typical solvent based systems.

I. IDENTIFICATION

Manufacturer Phone: 773.890.0014
Trade Name: FT630 Enviro Water Based Urethane
Product Type:
DOT Shipping Name:
Emergency Phone:

II. HAZARDOUS INGREDIENTS

No hazardous chemicals present. There are no SARA 313 chemicals in this product. All components of this product are in compliance with US TSCA Chemical Substance Inventory requirements. This product is considered non-hazardous under the OSHA hazard communication standard. (29 CFR 1910.1200).

III. PHYSICAL DATA

Boiling Range: 212°F
Vapor Density: .6
Vapor Pressure: 24.0 @ 77°F
Specific Gravity: 1.07
Solubility in Water: Yes
Evaporation Rate: .4
% Volatile by Volume: 71.53%
Appearance and Odor:

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point TCC/PM: 212°F
Lower Explosive Limit: 100
Upper Explosive Limit: NA
Extinguishing Media: In case of fire, use carbon dioxide, dry chemical or alcohol foam. Water spray, used with care, may be used to keep containers cool. Water spray can cause frothing above the boiling point of water.
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: None known.
Chronic Effects: None known.
Medical Conditions Generally Aggravated by Exposure: Any respiratory or skin condition.
Emergency and First Aid Procedures: None

VI. REACTIVITY DATA

Conditions to Avoid: None
Hazardous Decomposition Products: Carbon dioxide and carbon monoxide.
Hazardous Polymerization: Will not occur
Incompatibility: Avoid water-reactive materials.
Stability: Stable.

VII. SPILL OR LEAK PROCEDURES

Ventilate area. Avoid breathing or 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: 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. Follow respirator manufacturers directions for respirator use.
Ventilation: Required when spraying or applying in confined area.
Protective Clothing: Avoid contact with eyes. Wear chemical goggles if there is the possibility of contact or splashing in the eyes. Avoid prolonged or repeated contact with skin. Wear chemical resistant gloves and other clothing to keep exposure to a minimum. Cover arms and legs. Contact lenses should not be worn when working with chemicals because contact lenses may contribute to the severity of an eye injury in case of exposure.

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IX. SPECIAL PROCEDURES

Precautions to be Taken in Handling and Storage: Keep closure up to prevent leakage. Keep drum out of sun and away from heat. Replace lid or bung after each use. Improper disposal or reuse of this container may be dangerous and illegal. Since emptied containers may contain product residue, follow all label warnings even after container is emptied.

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.