

FT570 High Wear LS, CRU Part A

FT570 High Traffic, Light Stable, CRU is a two component semi-gloss or gloss, aliphatic polyurethane sealer which exhibits excellent characteristics for abrasion resistance, chemical resistance, flexibility, weathering, and UV stability.

I. IDENTIFICATION

Manufacturer Phone: 1.800.831.5600
Trade Name: FT570 High Traffic, LS Chemical Resistant Urethane (CRU)
Product Type:
HMIS CODES: H=2* F=3 R=0 P=G
DOT Shipping Name: Flammable Liquid
Emergency Phone:

II. HAZARDOUS INGREDIENTS

INGREDIENTS:	CAS #	OSHA PEL	ACGIH TLV	OSHA STEL	VAPOR PRESSURE	WEIGHT %
PROPYLENE GLYCOL MONOETHYL ETHER ACETATE	108-65-6	None	None	None	3.7 @ 68°F	
*XYLENE	1330-20-7	100 p.p.m.	100 p.p.m.	150p.p.m.	5.1 @ 68°F	<0.5%
SATURATED POLYESTER POLYOL	Unknown	None	None	None	NA	
SATURATED POLYESTER RESIN	Unknown	None	None	None	NA	
PROPRIETARY ADDITIVES	Unknown	None	None	None	NA	
2, 6-DIMETHYL-4-HEPATONE	108-83-8	25 p.p.m.	25 p.p.m.	None	1.0 @ 90°F	
*ETHYL BENZENE	100-41-4	100 p.p.m.	100 p.p.m.	125 p.p.m.	1.0 @ 14°f	<0.5%
DIBUTYLTIN DILUARATE	77-58-7	.1mg/m3	.1mg/m3	.1mg/m3	NA	
METHYL N-AMYL KETONE	110-43-0	100 p.p.m.	50 p.p.m.	None	2.1 @ 68°F	
CELLULOSE ACETATE BUTYRATE ESTER	9004-36-8	None	None	None	NA	
PIGMENT	Non-hazardous in liquid form	10mg/m3	10mg/m3	5mg/m3	NA	
ETHYL 3-ETHOXYPROPIONATE	763-69-9	None	None	None	1.1 @ 77°F	

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372. XYLENE STEL = 150 p.p.m. (ACGIH) METHYL N-AMYL KETONE STEL (ACGIH) = 100 p.p.m.

III. PHYSICAL DATA

Boiling Range: 279°F to 329°F
Vapor Density: NA
Specific Gravity: 1.2
Solubility In Water: Negligible
Evaporation Rate: NA
Appearance and Odor: low viscosity liquid with Ketone odor

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point: 100°F
Lower Explosive Limits: NA
Upper Explosive Limits: NA
Extinguishing Media: Foam, alcohol foam, carbon dioxide, dry chemical, and water fog
Special Firefighting Procedures: Do not enter confined area without full bunker gear including a positive pressure NIOSH approved self-contained breathing apparatus. Cool all fire exposed containers with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep away from heat, sparks and open flame. Closed containers may explode when exposed to extreme heat. Solvent vapors may be heavier than air. Under conditions of stagnant air, vapors may build up and travel along the ground to
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an ignition source which can result in flash back to the source of the vapors. Toxic vapors could be evolved from the combustion of this material.

V. HEALTH AND SAFETY

Effects of Overexposure:

Eyes: May cause corneal damage if left untreated which is slow to heal, but usually reversible.
Skin: May cause irritation or allergic skin response, dryness, cracking, rash, redness or dermatitis. Can penetrate the skin, causing effects similar to those for acute inhalation symptoms.
Inhalation: Solvent vapors are irritating to the eyes, nose, throat and respiratory tract resulting in dryness of the throat and tightness in the chest. Other symptoms include headache, nausea, narcosis, fatigue and loss of appetite.
Ingestion: Can cause irritation to the digestive tract including sore throat, abdominal pain, nausea, vomiting, and diarrhea. Vomiting may cause aspiration of solvents resulting in chemical pneumonitis.
Carcinogenicity: NTP: No. IARC: No. OSHA regulated: No.
Chronic Effects: Chronic exposure to organic solvents has been associated with various neurotoxic effects including brain damage, nervous system damage or death. Prolonged vapor contact may cause conjunctivitis, chronic inhalation may also include loss of memory, loss of intellectual ability, and loss of coordination. Corneal damage is possible but usually reversible. Repeated exposure to solvents can cause anemia, liver abnormalities, kidney damage or cardiac abnormalities.

Medical Conditions Prone to Aggravation by Exposure: Allergic responses and other respiratory conditions.

Emergency And First Aid Procedures:

Eyes: Flush immediately with water for fifteen minutes, get medical attention immediately.
Skin: Wash with soap and water. Remove contaminated clothing promptly.
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. Keep person warm and quiet.
Ingestion: DO NOT INDUCE VOMITING, get medical attention immediately.

VI. REACTIVITY DATA

Conditions To Avoid:

Excessive heat or open flames

Hazardous Decomposition

Byproducts:

Carbon monoxide, carbon dioxide

Hazardous Polymerization:

Will not occur

Incompatibility:

Can react vigorously with strong oxidizing agents and phosphorous containing materials.

Stability:

Stable

VII. SPILL OR LEAK PROCEDURES

Remove all sources of ignition and ventilate the area. Wear appropriate protective equipment such as vapor cartridge or supplied air as necessary. Dyke and absorb the material with absorbent such as clay and place in disposal containers.

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:

If PEL or TLV is exceeded, use NIOSH/MSHA respirator TC230 or equivalent.

Ventilation:

Provide sufficient mechanical and/or local exhaust. Ventilation to maintain exposure below PEL or TLV. Follow OSHA 29CFR Part 1910.94.

Protective Gloves:

Neoprene or rubber

Eye Protection:

Safety glasses with side shields, splash goggles

Other Protective Equipment:

To prevent repeated or prolonged contact, wear impervious clothing and boots. Use protective cream if skin contact is likely.

Hygienic Practices:

Wash hands before eating or smoking. Do not consume food or beverage while using this product.

IX. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing:

Store in cool dry place. Seal all partially used containers. Wash with soap and water before eating, drinking, smoking or using toilet facilities. Mixed materials contain the hazards of all the components, therefore, read the MSDS's of all the components prior to using material. Properly label all containers.

Other Precautions:

Avoid all skin contact. Avoid breathing vapors generated from the material. Observe conditions of good general hygiene and safe working practices. Contaminated leather articles cannot be cleaned and must be discarded if contaminated with this product. Wash all contaminated clothing prior to reuse. Supply appropriate ventilation or engineering controls prior to using this product.

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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FT570 High Traffic, Light Stable, CRU is a two component semi-gloss or gloss, aliphatic polyurethane sealer which exhibits excellent characteristics for abrasion resistance, chemical resistance, flexibility, weathering, and UV stability.

I. IDENTIFICATION

Manufacturer Phone: 1.800.831.5600
Trade Name: FT570 High Wear LS, CRU
Product Type:
HMIS Codes: H=2* F=3 R=1 P=G
DOT Shipping Name:
Emergency Phone:

II. HAZARDOUS INGREDIENTS

INGREDIENTS:	CAS #	OSHA PEL	ACGIH TLV	OSHA STEL	VAPOR PRESSURE	WEIGHT %
HOMOPOLYMER OF HDI	28182-81-2	1 mg/m ³	None	None	NA	
*XYLENE	1330-20-7	100 p.p.m.	100 p.p.m.	150 p.p.m.	5.1 mmHg @ 68°F	12%
N-BUTYL ACETATE	123-86-4	150 p.p.m.	150 p.p.m.	200 p.p.m.	10.0 mmHg @ 66°F	
MEXAMETHYLENE DIISO-CYANATE	822-06-0	None	.005 p.p.m.	None	NA	

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372. XYLENE ACGIH STEL = 150 p.p.m. For HDI: Oral LD50> 10,000 mg/kg (rats), inhalation LC50 ranges from 137 to 1150 mg/m³, eye irritation score 54.6/110 for a 24 hour exposure. Skin exposure—moderate irritant, irritation score 3.4/8 (rabbit).

III. PHYSICAL DATA

Boiling Range: 279°F
Vapor Density: NA
Specific Gravity: 1.1
Solubility in Water: Negligible
Evaporation Rate: NA
Appearance and Odor: Pale yellow liquid with solvent odor.

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point TCC/PM: 91°F
Lower Explosive Limit: NA
Upper Explosive Limit: NA
Extinguishing Media: Foam, alcohol foam, carbon dioxide and dry chemical.

Special Firefighting Procedures: Do not enter confined fire area without full bunker gear including a positive pressure NIOSH approved self contained breathing apparatus. Presence of solvents in product may require grounding. Remove all sources of ignition.

UNUSUAL FIRE AND EXPLOSION HAZARDS: If fire occurs, solvents may produce excessive pressure. Sealed drums may rupture and ignite. Vapors are heavier than air and may travel along the ground and ignite by any source of ignition. During a fire, HDI vapors and other toxic gasses may evolve. Containers may burst if contaminated with water. Vapor flashback to source is possible.

V. HEALTH AND SAFETY

Effects of Overexposure:

Eyes: Can cause severe irritation, redness, tearing or blurred vision as well as corneal opacity and conjunctivitis.
Skin: May cause irritation, redness, swelling, rash, scaling or blistering, and/or dermatitis. Overexposure can cause sensitization resulting in reaction to contact of small amounts.
Inhalation: Can cause nausea and respiratory irritation, dizziness, weakness, fatigue, headache and possible loss of consciousness. May cause burning sensation in the mucous membranes, shortness of breath and flu like symptoms may occur.
Ingestion: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. Is corrosive to mucous membranes and digestive tract.
Carcinogenicity: NTP: No. IARC monographs: No. OSHA regulated: No.
Chronic Effects: Can cause sensitization by exposure through contact or high concentrations of vapor. Overexposure to this material can cause cardiac abnormalities. Overexposure can possibly cause anemia, liver abnormalities, kidney damage or eye damage. May cause asthma or other respiratory disorders, bronchitis, emphysema, hyperactivity and eczema.

Medical Conditions Generally Aggravated by Exposure: Respiratory conditions or other allergic response.

Emergency and First Aid Procedures:

Eyes: Flush eyes with water for at least fifteen minutes and consult a physician.
Skin: For extreme exposure use a safety shower immediately. Wash affected area with soap and water and remove contaminated clothing promptly.
Inhalation: Remove victim to fresh air area and administer oxygen if necessary. Obtain medical assistance. Asthmatic

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Ingestion: type symptoms may occur immediately
DO NOT INDUCE VOMITING. Keep person warm and consult a physician immediately. Give one to two cups of milk or water to drink.

VI. REACTIVITY DATA

Conditions to Avoid: Avoid excessive heat or open flames as well as all sources of ignition such as sparks, heaters, static discharges etc.

Hazardous Decomposition

Byproducts: May form toxic chemicals, carbon dioxide, carbon monoxide, oxides of nitrogen, HCN and HDI.

Hazardous Polymerization: May occur. Moisture or materials that react with isocyanates and temperatures above 400 °F may cause polymerization

Incompatibility: Avoid water, amines, strong bases, alcohols, metal compounds and surface active compounds.

Stability: Stable

VII. SPILL OR LEAK PROCEDURE

Wear respirator and protective clothing. Remove all sources of ignitions. Remove excess with spark proof equipment. Any residue should be removed with an absorbent such as clay and placed in disposal containers. A contained air respirator may be necessary.

Waste Disposal Method: Dispose of the material in a waste disposal site in accordance with local, State and Federal laws.

VIII. SAFE HANDLING AND USE INFORMATION

Respiratory Protection: Use a NIOSH approved respirator as required to prevent overexposure to vapor in accordance with 29 CFR 1910.134. Use a positive pressure supplied air respirator when exceeding TLV's or if HDI monomer concentrations exceed acceptable limits or when spraying material.

Ventilation: Exhaust ventilation sufficient to keep airborne concentrations of HDI below their TLV and MGL maximum. Refer to Patty's Industrial Hygiene and Toxicology, Volume I (3rd edition) Chapter 17 and Volume III (1st edition) Chapter 3 for details.

Protective Clothing: Impervious gloves in neoprene or rubber. Splash goggles or glasses with side shields. Do not wear contact lenses when using this product. Wear body covering clothing and other coverings as necessary such as an apron and appropriate footwear to avoid contact with material.

IX. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storage: Store in cool dry place. Seal all partially used containers. Wash with soap and water before eating, drinking, smoking or using toilet facilities. Mixed materials contain the hazards of all the components, therefore read the MSDS's of all the components prior to using material. Properly label all containers. Keep material away from all sources of ignition.

Other Precautions: Avoid all skin contact. Avoid breathing vapors generated from the material. Observe conditions of good general hygiene and safe working practices. Contaminated leather articles cannot be cleaned and must be discarded if contaminated with this product. Wash all contaminated clothing before reusing. Wear appropriate safety equipment and respirator at all times when ventilation is not sufficient to control vapors. Observe OSHA regulations for respirator use (29 CFR 1910.134) when spraying material avoid exposure to all mists generated by using air supplied respirator.

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.

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FT570 High Traffic, Light Stable, CRU is a two component semi-gloss or gloss, aliphatic polyurethane sealer which exhibits excellent characteristics for abrasion resistance, chemical resistance, flexibility, weathering, and UV stability.

I. IDENTIFICATION

Manufacturer Phone: 1.800.831.5600
Trade Name: FT570 High Wear LS, CRU
Product Type: Aggregate
HMIS Codes: H=1 F=0 R=0 P=E
DOT Shipping Name:
Emergency Phone:

II. HAZARDOUS INGREDIENTS

INGREDIENTS:	CAS #	OSHA PEL	ACGIH TLV	OSHA STEL	VAPOR PRESSURE	WEIGHT %
TABULAR ALUMINA	1344-28-1	5 mg/m ³	10 mg/m ³	None	NA	

No toxic chemicals subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present.

III. PHYSICAL DATA

Boiling Range: NA
Vapor Density: NA
Specific Gravity: 1.5
Solubility in Water: Insoluble in water
Evaporation Rate: NA
Appearance and Odor: White powder

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point TCC/PM: NA
Lower Explosive Limit: NA
Upper Explosive Limit: NA
Extinguishing Media: None known
Special Firefighting Procedures: Tabular alumina is neither a fire nor an explosion hazard.
UNUSUAL FIRE AND EXPLOSION HAZARDS: No unusual fire hazards known.

V. HEALTH AND SAFETY

Effects of Overexposure:

Eyes: May cause irritation from airborne particles.
Skin: None known.
Inhalation: No data available
Ingestion: None known.
Chronic Effects: Inhalation of dust generated may aggravate pre-existing conditions.
Medical Conditions Generally Aggravated by Exposure: Pulmonary conditions or other similar ailments can be aggravated by exposure.
Emergency and First Aid Procedures:
Eyes: Flush eyes with water for at least fifteen minutes and consult a physician if condition warrants.
Skin: Skin contact will normally cause no health risks.
Inhalation: Remove victim to fresh air area and administer oxygen if necessary, consult a physician if conditions warrant.
Ingestion: If ingested, consult a physician.

VI. REACTIVITY DATA

Conditions to Avoid: None known.
Hazardous Decomposition
Byproducts: None known.
Hazardous Polymerization: Will not occur.
Incompatibility: None known.
Stability: Stable.

VII. SPILL OR LEAK PROCEDURES

Wear respirator and use dustless handling equipment to clean up large spills. Place in suitable containers for disposal. Flush area with water after pickup of material.
Waste Disposal Method: Dispose of the material in a waste disposal site in accordance with local, State and Federal laws.

VIII. SAFE HANDLING AND USE INFORMATION

Respiratory Protection: Use a NIOSH approved respirator or dust mask as required to prevent overexposure to dust. Provide sufficient exhaust to keep exposure levels below the ACGIH PEL.
Ventilation: Use exhaust sufficient to maintain airborne particulates below the ACGIH PEL limits established.
Protective Clothing: Provide any equipment necessary to prevent the inhalation of dust.

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IX. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storage: Wear respirator and use dustless handling equipment to clean up large spills. Place in suitable containers for disposal. Flush area with water after pickup of material.

Other Precautions: Avoid breathing dust generated from the material. Observe conditions of good general hygiene and safe working practices.

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.