

FT620 Water Based Epoxy Part A

FT620 is a two component water based epoxy coating that exhibits excellent characteristics that rival solvent based products. FT620 has superb chemical resistance, abrasion resistance and substrate penetration.

I. IDENTIFICATION

Manufacturer Phone: 1.800.831.5600
Trade Name: FT 620 Water Based Epoxy
Product Name: Clear water based epoxy
DOT Shipping Name:
HMIS Codes: H=2* F=1 R=O P=G
Emergency Phone:

II. HAZARDOUS INGREDIENTS

INGREDIENTS:	CAS #	OSHA PEL	ACGIH TLV	OSHA STEL	VAPOR PRESSURE mm Hg @ Temp.	WEIGHT PERCENT
1,2 ETHANE DIAMINE, N-(2-AMINO ETHYL)	111-40-0	1 p.p.m.	1 p.p.m.	None	0.0 @ 68°F	
TETRAETHYLENE PENTAMINE	112-57-2	None	None	None	NA	
ETHYLENEDIAMINE	107-15-3	10 p.p.m.	10 p.p.m.	10 p.p.m.	10.7 @ 68°F	
PENTAETHYLENE HEXAMINE	4067-16-7	None	None	None	NA	
WATER	7732-18-5	None	None	None	NA	
PROPYLENE GLYCOL MONOMETHYL ETHER	107-98-2	100 p.p.m.	100 p.p.m.	150 p.p.m.	10.9 @ 77°F	
GLACIAL ACITIC ACID	64-19-7	10 p.p.m.	10 p.p.m.	15 p.p.m.	11.0 @ 68°F	
STODDARD SOLVENT	8052-41-3	100 p.p.m.	100 p.p.m.	None	2.0 @ 68°F	
2 ETHYL 1 HEXANOL	104-76-7	None	None	None	10.0 @ 68°F	
*GLYCOL ETHER 2-BUTOXYETHANOL	111-76-2	25 p.p.m.	25 p.p.m.	None	10.0 @ 97°F	<0.5%
PROPRIETARY ADDITIVE	5170	None	None	None	NA	
1,2-PROPANEDIOL	57-55-6	None	None	None	1.0 @ 113°F	
1-METHOXY-2-PROPANOL	107-98-2	100 p.p.m.	100 p.p.m.	150 p.p.m.	1.0 @ 550°F	
1-METHOXY-2-PROPANOL ACETATE	108-65-6	None	None	None	NA	

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.
PROPYLENE GLYCOL MONOMETHYL ETHER CAS # 107-98-2 (ACGIH) STEL=150 p.p.m.
Follow 311b (2)(A) 4 CFR 116, 117, guidelines. Follow TSCA 8(a) 40 CFR 712, 47 FR 26992 guidelines.

III. PHYSICAL DATA

Boiling Point: 212°F
Vapor Density: NA
Specific Gravity: 1.0

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Solubility in Water: Emulsifiable
Evaporation Rate: NA
Appearance and Odor: Low viscosity liquid, amber/clear.

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point TCC/PM: 200°F+

L/ U Explosive Limit: NA

Extinguishing Media: In case of fire, use foam, alcohol foam, water fog, or carbon dioxide.

UNUSUAL FIRE AND EXPLOSION HAZARDS INCLUDE: None known. Toxic fumes will be involved in a fire. A self-contained breathing apparatus should be available for fire fighters. Water may be used to cool containers exposed to extreme heat.

V. HEALTH AND SAFETY

Threshold Limit Value: Not required for mixture

Effects of Over Exposure:

Immediate (Acute) Effects:

Eyes/ Skin: Irritation to the skin can occur but dermal absorption toxicity is low. This material can cause eye irritation or redness.

Ingestion: Can cause nausea or other similar responses.

Inhalation: High concentrations of vapor can cause irritation to the respiratory tract, nausea and dizziness

Carcinogenicity: NTP: No. IARC monographs: No. OSHA regulated: No.

Chronic Exposure: Prolonged or repeated exposure may cause asthma and skin sensitization or other allergic responses.

Medical conditions generally aggravated by exposure—respiratory conditions or allergic ailments

Emergency And First

Aid Procedures:

Skin: Flush with large amounts of water for at least fifteen minutes and remove all contaminated clothing immediately. Get medical attention if reddening or swelling occurs.

Eyes: Flush with plenty of water for at least fifteen minutes, lifting upper and lower lids. Get medical attention.

Inhalation: Remove to fresh air if effects persist and administer oxygen if necessary.

Ingestion: DO NOT INDUCE VOMITING. Give large amounts of water or if available, milk. Never give anything by mouth to an unconscious person. Call a physician immediately.

Possible Routes of Entry: Inhalation, ingestion, skin absorption

Carcinogenicity: NTP: No. IARC Monographs: No. OSHA regulated: No.

VI. REACTIVITY DATA

Conditions To Avoid: Open flames and all sources of ignition and sparks

Hazardous Decomposition

Products: Carbon dioxide, carbon monoxide and nitrogen oxides.

Hazardous Polymerization: Will not occur

Incompatibility: Avoid contact with open flames and all sources of ignitions and/or sparks.

Stability: Stable.

VII. SPILL OR LEAK PROCEDURES

Avoid contact with material. Wear the appropriate safety equipment. Stop spill at source, dyke area to prevent spreading. Pump liquid to salvage tank. Take up remainder with clay or other absorbent and place in disposal containers.

Dispose in accordance with local, State and Federal regulations or with a licensed waste disposal company.

VIII. SAFE HANDLING AND USE INFORMATION

Respiratory Protection: NIOSH approved respirator protection required in the absence of proper environmental controls.

Ventilation: General exhaust is usually sufficient to control vapors and exposure hazards.

Protective Clothing: Avoid all skin contact. Impervious gloves, neoprene or rubber, Splash goggles or glasses with side shields, wear body covering clothing and other coverings as necessary such as apron and appropriate footwear to avoid contact with material. Observe good hygienic practices.

It is generally recognized that contact lenses should not be worn when working with chemicals because contact lenses may contribute to the severity of and eye injury in case of exposure.

IX. SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing: Keep away from heat, sparks and open flames. Keep container closed when not in use. Do not store above 120°F. Containers may contain product residue including flammable or explosive vapors.

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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FT620 is a two component water based epoxy coating that exhibits excellent characteristics that rival solvent based products. FT620 has superb chemical resistance, abrasion resistance and substrate penetration.

I. IDENTIFICATION

Manufacturer Phone: 1.800.831.5600
Trade Name: FT620 Water Based Epoxy
Product Type:
DOT Shipping Name:
HMIS Codes: H=1* F=1 R=O P=B
Emergency Phone:

II. HAZARDOUS INGREDIENTS

INGREDIENTS:	CAS #	OSHA PEL	ACGIH TLV	OSHA STEL	VAPOR PRESSURE mm Hg @ Temp.
MODIFIED DIGLYCIDYL ETHER OF BISPHENOL A	25068-38-6	None	None	None	1.0 @ 356°F
ALKYL GLYCIDYL ETHER	68609-97-2	None	None	None	NA

* No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present.

III. PHYSICAL DATA

Boiling Point: 200 °F
Vapor Density: NA
Specific Gravity: 1.1
Solubility in Water: Negligible
Evaporation Rate: NA
Appearance and Odor: Low viscosity liquid, clear

IV. FIRE AND EXPLOSION HAZARD DATA

Flashpoint: 200 °F
Lower Explosive Limit: NA
Upper Explosive Limit: NA
Extinguishing Media: Foam, alcohol foam, carbon dioxide, dry chemical and water fog.

UNUSUAL FIRE AND EXPLOSION HAZARDS INCLUDE: None known.

Special Firefighting Procedures: Do not enter confined fire area without full bunker gear including a positive pressure NIOSH approved self contained breathing apparatus. Cool all fire exposed containers with water.

V. HEALTH AND SAFETY

Threshold Limit Value: NA

Effects of Overexposure:

Eyes: May cause irritation but no corneal injury is likely
Skin: May cause irritation or allergic skin response but is not likely to be absorbed in toxic amounts.
Ingestion: This material has a probable low acute oral toxicity.
Inhalation: No guide for control known, however, exposure to heated vapors can cause irritation to the nose, throat or mucous membranes.
Carcinogenicity: NTP: No. IARC monographs: No. OSHA regulated: No.
Medical conditions generally aggravated by exposure include 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: Skin contact will normally cause no more than irritation but wash affected area with soap and water and remove contaminated clothing promptly.
Ingestion: Low in toxicity, induce vomiting only if large amounts of material are ingested, otherwise do not induce vomiting. In either case immediately consult with a physician.
Inhalation: Remove victim to fresh air area and administer oxygen if necessary.

VI. REACTIVITY DATA

Conditions to Avoid: Avoid excessive heat or open flames.

Hazardous Decomposition

Products: Carbon dioxide, aldehydes, acids. Reaction with some curing agents can generate large amounts of heat.

Hazardous Polymerization: Will not occur

Incompatibility: Can react vigorously with strong oxidizing agents and strong lewis acids or mineral acids.

Stability: Stable

Version Date: 10/25/02

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VII. SPILL OR LEAK PROCEDURES

Steps to be Taken if Material is Spilled or Released: Wear respirator and protective clothing. Shut off the source at the leak. Remove excess with vacuum truck and take up the remainder with an absorbent such as clay and place in disposal containers. Flush area with water to remove residue.

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 29CFR 1910.134

Ventilation: General exhaust is usually sufficient to control vapors and exposure hazards.

Protective Clothing: Impervious gloves, neoprene or rubber. Splash goggles or glasses with side shields. Wear body covering clothing and other coverings as necessary such as apron and appropriate footwear to avoid contact with material. Observe good general hygienic practices.

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.

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.