



## MATERIAL SAFETY DATA SHEET

### FT310 Water Based Epoxy Primer Part A

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FT310 is a two component water based epoxy coating that exhibits excellent characteristics that rival solvent based products. FT310 has superb chemical resistance, abrasion resistance and substrate penetration.

#### I. IDENTIFICATION

Manufacturer Phone: 1.800.831.5600  
 Trade Name: FT310 Water Based Epoxy Primer  
 Product Type: Water based epoxy primer, complies with 29CFR 1910.1200 (The Hazard Communication Standard).  
 DOT Shipping Name:  
 HMIS Codes: Health=2\* Flammability=1 Reactivity=0 P (specific hazards)=G  
 Emergency Phone:

#### II. HAZARDOUS INGREDIENTS

INGREDIENTS:	CAS #	OSHA PEL	ACGIH TLV	OSHA STEL	VAPOR PRESSURE mm Hg @ Temp.	WEIGHT%
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 MONO-METHYL 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	NJT SRN 800963-5170	None	None	None	NA	
PIGMENT	Non hazardous in liquid form	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	NA	
FILLER	Non hazardous in liquid form	20 mppcf	3 mg/m <sup>3</sup>	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: 1.2  
 Solubility in Water: Emulsifiable  
 Evaporation Rate: NA  
 Appearance and Odor: Low viscosity liquid, amber/clear.

# FT310 Water Based Epoxy Primer Part A

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## IV. FIRE AND EXPLOSION HAZARD DATA

**Flash Point TCC/PM:** 200°F+

**L/ U Explosive Limit:** NA

**Extinguishing Media:** Foam, alcohol foam, water fog, or carbon dioxide.

**Special Firefighting Procedures:** 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.

UNUSUAL FIRE AND EXPLOSION HAZARDS INCLUDE: None known.

## V. HEALTH AND SAFETY

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

**Effects of Over Exposure:**

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:**

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

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.

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

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

## VI. REACTIVITY DATA

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

**Hazardous Decomposition**

**Byproducts:** Carbon dioxide, carbon monoxide and nitrogen oxides.

**Hazardous Polymerization:** Will not occur

**Incompatibility:** Avoid contact with strong oxidizing agents, mineral acids and epoxy resins in uncontrolled amounts.

**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.

Waste Disposal Method: 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:** Avoid breathing vapors. Ventilation must be sufficient to control vapors.

**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:** Avoid all skin contact. Avoid breathing vapors. Reseal partially used containers. Properly label all containers. Wash with soap and water before eating, drinking, smoking or using toilet facilities. Observe conditions of good industrial hygiene and safe working practices.

**Other Precautions:** Mixed materials contain the hazards of all the components, therefore read all the MSDS of all the components to become familiar with all hazards 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.

# FT310 Water Based Epoxy Primer Part B

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FT310 is a two component water based epoxy coating that exhibits excellent characteristics that rival solvent based products. FT310 has superb chemical resistance, abrasion resistance and substrate penetration.

## I. IDENTIFICATION

Manufacturer Phone: 1.800.831.5600  
Trade Name: FT310 Water Based Epoxy Primer  
Product Type: Water based epoxy, complies with 29CFR 1910.1200 (The Hazard Communication Standard).  
DOT Shipping Name:  
HMS Codes: Health=1\* Flammability=1 Reactivity=0 P (specific hazards)=B  
Emergency Phone:

## II. HAZARDOUS INGREDIENTS

INGREDIENTS:	CAS #	OSHA PEL	ACGIH TLV	OSHA STEL	VAPOR PRESSURE mm Hg @ Temp.	WEIGHT%
<b>MODIFIED DIGLYCIDYL ETHER OF BISPHENOL A</b>	25068-38-6	None	Noen	None	1.0 @ 356 °F	
<b>ALKYL GLYCIDYL ETHER</b>	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

**Flash Point:** 200 °F  
**Lower Explosive Limit:** NA  
**Upper Explosive Limit:** NA  
**Extinguishing Media:** Foam, alcohol foam, carbon dioxide, dry chemical and water fog.  
**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.  
UNUSUAL FIRE AND EXPLOSION HAZARDS INCLUDE: None known.

## V. HEALTH AND SAFETY

### **Effects of Overexposure:**

**Eyes:** May cause irritation and may cause corneal damage. Product is presumed to be toxic and is harmful if absorbed through the skin.  
**Skin:** May cause irritation or allergic skin response but is not likely to be absorbed in toxic amounts.  
**Inhalation:** No guide for control known, however, exposure to heated vapors can cause irritation to the nose, throat or mucous membranes.  
**Ingestion:** This material is moderately toxic and may be harmful if ingested. Ingestion may cause damage to red blood cells.  
**Carcinogenicity:** NTP: No. IARC monographs: No. OSHA regulated: No.  
**Chronic Effects:** Epoxy resins can cause sensitization by exposure through contact or high concentrations of vapor. Eye injury can occur so stain for evidence of corneal damage.

**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:** Skin contact will normally cause no more than irritation but wash affected area with soap and water and remove contaminated clothing promptly.  
**Inhalation:** Remove victim to fresh air area and administer oxygen if necessary.  
**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.

## VI. REACTIVITY DATA

**Conditions to Avoid:** Avoid excessive heat or open flames.

### **Hazardous Decomposition**

**Byproducts:** 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.

# FT310 Water Based Epoxy Primer Part B

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## **VII. SPILL OR LEAK PROCEDURES**

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.