FloorTech Inc.®

MATERIAL SAFETY DATA SHEET

FT420 High Build Epoxy

Part A

FT420 is a three-component 97% colored epoxy designed for use where a high build impact resistance is required. An excellent intermediate coating that is applied at 15-40 mils because it has excellent leveling properties and can be used before application of high build and broadcast system. Additionally, an aggregate may be added to increase impact or non-skid requirements.

I. IDENTIFICATION

Manufacturer Phone: 1.800.831.5600
Trade Name: FT430 High Build Epoxy Slurry
Product Type:
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.
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
BISPHENOL F/EPICHLOR-OHYDRIN EPOXY RESIN	9003-36-5	None	None	None	NA
PIGMENT	Non-hazardous in liquid form	10mg/m3	10mg/m3	5mg/m3	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
STODDARD SOLVENT	8052-41-3	100 p.p.m.	100 p.p.m.	None	2.0 @ 68°F
PROPRIETARY ADDITIVE	<1% of mixture	None	None	None	NA
PROPRIETARY ADDITIVE	<1% of mixture	None	None	None	3.0 @ 75°F
PROPRIETARY NON HAZARD-OUS ADDITIVE	Unknown	None	None	None	NA
1-METHOXY-2-PROPANOL ACETATE	108-65-6	None	None	None	3.7 @ 68°F

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 Range: 200°F– 315°F
Vapor Density: NA
Specific Gravity: 1.2
Solubility in Water: Negligible
Evaporation Rate: NA
Appearance and Odor: Low viscosity liquid in varying colors.

IV. FIRE AND EXPLOSION HAZARD DATA

Flashpoint: 200°F+
Lower Explosive Limit: NA
Upper Explosive Limit: NA

(Continued from page 1)

Extinguishing Media: Foam, alcohol foam, carbon dioxide, dry chemical and water fog.

UNUSUAL FIRE AND EXPLOSION HAZARDS: 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: Not required

Effects of Overexposure:

Eyes: May cause irritation but no corneal injury is likely but stain for evidence anyway.

Skin: May cause irritation or allergic skin response. 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 has a probable low acute oral toxicity.

Chronic Effects: Epoxy resins can cause sensitization by exposure through contact or high concentrations of vapor.

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

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: DO NOT INDUCE VOMITING. Low in toxicity, induce vomiting only if large amounts of material are ingested, otherwise. In either case immediately consult with a physician.

VI. REACTIVITY DATA

Conditions to Avoid: Avoid excessive heat or open flames.

Hazardous Decomposition Products: Carbon dioxides, 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

VII. SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: 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 29 CFR 1910.134.

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

Protective Clothing: Impervious gloves in 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.

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.

FT420 High Build Epoxy *Part B*

Material Safety Data Sheet

FT420 is a three-component 97% colored epoxy designed for use where a high build impact resistance is required. An excellent intermediate coating that is applied at 15-40 mils because it has excellent leveling properties and can be used before application of high build and broadcast system. Additionally, an aggregate may be added to increase impact or non-skid requirements.

I. IDENTIFICATION

Manufacturer Phone: 1.800.831.5600
Trade Name: FT420 High Build Epoxy
Product Type:
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.
BENZYL ALCOHOL	100-51-6	None	None	None	1.0 @ 136°F
NONYL PHENOL	25154-52-3	None	None	None	NA
3-AMINOMETHYL-3,5,5-TRIMETHYL CYCLOHEXANE	2855-13-2	None	None	None	NA
M-XYLENE DIAMINE	1477-55-0	None	.1 mg/m3	None	NA

No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. BENZENE-1, 3-DIMETHANEAMINE has a 0.1 mg/m3 ceiling exposure limit (skin).

III. PHYSICAL DATA

Boiling Range: 401°F to 560°F
Vapor Density: NA
Specific Gravity: 1.1
Solubility in Water: Negligible
Evaporation Rate: NA
Appearance and Odor: Amber clear liquid with amine odor.

IV. FIRE AND EXPLOSION HAZARD DATA

Flashpoint: 230°F
Lower Explosive Limit: NA
Upper Explosive Limit: NA
Extinguishing Media: Foam, alcohol foam, carbon dioxide, and water fog.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.
Special Firefighting Procedures: Toxic fumes will be evolved when this material is involved in a fire. A self contained breathing apparatus should be available for fire fighters. Cool all fire exposed containers with water.

V. HEALTH AND SAFETY

Threshold Limit Value: Unknown
Effects of Overexposure:
Eyes: Will cause burns to the eyes, high vapor concentrations can cause severe irritation to the eyes.
Skin: Will cause burns to the skin. No known skin absorption risks.
Inhalation: High concentrations of vapor can cause irritation to the respiratory tract, nausea and dizziness.
Ingestion: Liquid can cause severe damage to mucous membranes if swallowed.
Carcinogenicity: NTP: No. IARC monographs: No. OSHA regulated: No.
Chronic Effects: Prolonged or repeated exposure may cause asthma and skin sensitization or other allergic responses.
Emergency and First Aid Procedures:
Eyes: Immediately flush with large amounts of water for at least fifteen minutes while lifting upper and lower lids. Get immediate medical assistance.
Skin: Flush skin with 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 milk to drink if victim is conscious. Get medical attention immediately.
Medical conditions generally aggravated by exposure: Respiratory conditions or other allergic ailments.

VI. REACTIVITY DATA

Conditions to Avoid: Avoid contact with open flames and all sources of ignitions and sparks.
Hazardous Decomposition: Carbon monoxide, carbon dioxide, nitrogen oxides, nitriles and amides.
Hazardous Polymerization: Will not occur.
Incompatibility: Avoid contact with strong oxidizing agents, acids and epoxy resins in uncontrolled amounts.
Stability: Stable.

VII. SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: 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 of material as a hazardous waste according to local, State and Federal regulations.

VIII. SAFE HANDLING AND USE INFORMATION

Respiratory Protection: NIOSH approved respirator protection required in the absence of proper environmental controls. For emergencies a self contained breathing apparatus or a full face respirator is recommended.
Ventilation: Avoid breathing vapors. Ventilation must be sufficient to control vapors.
Protective Clothing: Clean body covering clothing as well as apron, footwear or other equipment should be used as deemed necessary to avoid contact with the material. Impervious gloves either neoprene or rubber. Splash proof goggles or safety glasses with side shields.

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 of good industrial hygiene and safe working practices.
Other Precautions: Mixed materials contain the hazards of all the components, therefore, read the MSDS's of all 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.