



LiquaTile 1171 TopCoat (Resin – Base) Material Safety Data Sheet

Section 1 – Material Identification

Product Name LiquaTile 1171 TopCoat Resin (SIDE – A, BASE)
Product Class Modified Epoxy Resin Compound
Manufacturer Wolverine Coatings Corporation
204 Wellesley Drive
Spartanburg, SC 29307
Telephone: (864) 342-9292
Emergency #: (864) 680-1547
Date Oct. 13, 2005
Revision Number 0

Emergency Overview

Viscous resinous material with mild characteristic odor. Color indicated on label. Eye and skin irritant. May cause sensitization and dermatitis. Avoid contact with eyes, skin and clothing.

Section 2 – Ingredients

Ingredients	CAS Number	Exposure Limits
Modified Epoxy Resin	Proprietary	None Assigned
N-Butyl Glycidyl Ether ppm	2426-08-6	ACGIH TLV 25
Microcrystalline Silica, tripoli	1317-95-9	ACGIH TLV
Titanium Dioxide 15.0 mg/cu.m	13463-67-7	OSHA PEL
Hydrous Magnesium Silicate TLV 2.0 mg/cu.m	14807-96-6	ACGIH

Contains other ingredients and pigments which should be treated as nuisance dust - TLV - 10 mg/cu.m, 8 hr. TWA (total dust)

Section 3 – Health Hazards

Overview

Viscous resinous material with mild characteristic odor. Color indicated on label. Eye and skin irritant. May cause sensitization and dermatitis. Avoid contact with eyes, skin and clothing.

Eye

Causes mild to moderate eye irritation.

MATERIAL SAFETY DATA SHEET (LiquaTile 1171 Topcoat Resin Side A)

Skin

Causes skin irritation. May cause sensitization and dermatitis.

Ingestion

Swallowing large amounts may cause injury and gi tract irritation.

Inhalation

May cause nasal irritation. Prolonged overexposure may cause central nervous system depression or lung injury.

Chronic (Cancer Information)

Contains Microcrystalline Silica. Inhalation of silica dust (respirable) may cause delayed lung injury or disease. The International Agency for Research on Cancer (IARC) has evaluated that there is "sufficient evidence" that Microcrystalline Silica can cause cancer in laboratory animals and there is "limited evidence" with respect to humans. IARC Monograph: Level 2A Grouping. Take appropriate measures to avoid breathing spray during application or removal of cured product by use of NIOSH approved respirator.

Section 4 – First Aid

Eye

Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids apart to ensure rinsing of entire eye surface and lids with water.

Skin

Promptly wipe clean with paper or cloths and wash with soap and water. Remove and wash any contaminated clothing before reuse.

Ingestion

If LiquaTile 1171 Part A is swallowed, promptly induce vomiting and get medical attention. Do not give anything by mouth to an unconscious or convulsing person. If mixed product (LT 1171 Part A and Part B) is swallowed, do not induce vomiting and get immediate medical attention.

Inhalation

If ill effects occur, remove to fresh air. Keep warm and quiet and get medical attention promptly.

Section 5 – Fire and Explosion Data

Flash Point (Seta)

173 Deg. F (78 Deg. C) Method: CC

HAZARDOUS COMBUSTION PRODUCTS

Carbon monoxide, carbon dioxide and aldehydes.

EXTINGUISHING MEDIA

Foam, carbon dioxide, dry chemical or water spray.

FIRE FIGHTING INSTRUCTIONS

Firefighters should wear goggles and self-contained breathing apparatus to avoid inhalation.

Section 6 – Accidental Release Measures

SMALL SPILL:

Absorb spill with suitable absorbent material (dry sand, earth) and shovel into closed containers for disposal. Flush contaminated area with water.

MATERIAL SAFETY DATA SHEET (LiquaTile 1171 Topcoat Resin Side A)

LARGE SPILL:

Dike area and pump into closed containers. Prevent runoff from entering into storm sewers and ditches that could lead to natural waterways. Wear protective equipment during cleanup.

Section 7 – Handling and Storage

HANDLING

This material may cause sensitization. Do not get in eyes, on skin or clothing. Do not allow contaminated clothing to come in contact with skin. Avoid contact with vapors and fumes. Wear protective equipment.

STORAGE

Store in closed containers in a cool, dry place. Avoid heat and warm storage areas.

Section 8 – Personal Protection / Exposure Controls

ENGINEERING CONTROLS

Control airborne concentrations below the exposure limits. Use only with adequate ventilation. Local exhaust and general ventilation is recommended.

RESPIRATORY PROTECTION

NIOSH approved respirator suitable for organic vapors if TLV is exceeded.

SKIN PROTECTION

Chemical-resistant plastic or rubber gloves. Wear protective equipment as required to prevent wetting the skin or clothing.

EYE PROTECTION

Chemical splash goggles.

Section 9 – Typical Physical and Chemical Properties

BOILING POINT: Not applicable

MELTING POINT: Not applicable

VAPOR DENSITY: Non-volatile

% VOLATILES: NIL

SOLUBILITY IN WATER: Insoluble

SPECIFIC GRAVITY: 1.55

ODOR: Mild, characteristic odor

APPEARANCE: Resinous, viscous liquid. Color indicated on label.

Section 10 – Stability and Reactivity

CHEMICAL STABILITY: (CONDITIONS TO AVOID)

Keep away from heat and warm storage areas. Stable.

INCOMPATIBILITY:

Strong oxidizers, acids, alkalis and epoxy hardeners under uncontrolled conditions.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide, carbon dioxide, aldehydes.

MATERIAL SAFETY DATA SHEET (LiquaTile 1171 Topcoat Resin Side A)

HAZARDOUS POLYMERIZATION:

Will not occur.

Section 11 – Toxicological Properties

None available

Section 12 – Ecological Information

None available

Section 13 – Disposal Considerations

Care should be taken to ensure that the material or its containers are disposed of in an approved facility in accordance with current federal, state and local regulations.

Section 14 – Transport Information

Not regulated by DOT

Section 15 – Regulatory Information

OSHA:

Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

SARA SECTION 313 LISTED INGREDIENTS:

This product does not contain any substances that are subject to the reporting requirements of 40 CFR 372.

Disclaimer

The information and recommendations set forth herein are presented in good faith and believed to be correct and reliable. Wolverine Coatings Corporation makes no representation as to the completeness or accuracy thereof and supplies information upon the condition that the persons receiving same will make their own determination as to its suitability for their purpose prior to use.