



LiquaTile 1171 TopCoat Hardener (Part B) Material Safety Data Sheet

Section 1 – Material Identification

Product Name LiquaTile 1171 Top Coat Hardener (Part B)
Product Class Modified Epoxy Hardener

Manufacturer Wolverine Coatings Corporation
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Emergency Overview

Viscous resinous material with mild characteristic amineodor. Causes severe eye irritation. Causes skin irritation. May cause sensitization and dermatitis. Avoid contact with eyes, skin and clothing. Avoid breathing mist or spray.

Section 2 – Ingredients

Ingredients	CAS Number	Exposure Limits
Alkyl Amines/Amine Epoxy Adducts	Proprietary	None Assigned
Epoxy Resin	Proprietary	None Assigned
Benzyl Alcohol	100-51-6	None Assigned
Phenol	108-95-2	ACGIH TLV 5 ppm Skin
Microcrystalline Silica, Tripoli	1317-95-9	ACGIH TLV 0.1 mg/cu.m
Hydrous Magnesium Silicate	14807-96-6	ACGIH TLV 2.0 mg/cu.m

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 beige liquid with mild characteristic amine odor.. Color indicated on label.

MATERIAL SAFETY DATA SHEET (LiquaTile 1171 Topcoat Hardener - Part B)

Eye and skin irritant. May cause sensitization and dermatitis. Avoid contact with eyes, skin and clothing. Avoid breathing mist or spray.

Eye

Causes severe eye irritation.

Skin

Causes moderate to severe skin irritation. May cause allergic skin reaction and sensitization.

Ingestion

Substance is extremely harmful if swallowed..

Inhalation

Prolonged or repeated inhalation may cause lung damage or respiratory irritation. Avoid breathing mist or spray..

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. If physician is not available, continue flushing for an additional 15 minutes. Get immediate medical attention.

Skin

Immediately remove any contaminated clothing and shoes. Wash affected areas with mild soap and water for at least 15 minutes. Get medical attention if necessary. Discard or decontaminate clothing before re-use.

Ingestion

If swallowed, immediately give at least 3 to 4 glasses of water, but do not induce vomiting. If vomiting occurs, give liquids again. Do not give anything by mouth to an unconscious or convulsing person. Get immediate medical attention. If mixed product is swallowed, do not induce vomiting and get immediate medical attention.

Inhalation

If ill effects occur, remove to fresh air. If breathing is difficult, get medical attention immediately.

Section 5 – Fire and Explosion Data

Flash Point (Seta)

Greater than 200 degrees F (93 Degree C) Method: CC

HAZARDOUS COMBUSTION PRODUCTS

Carbon monoxide, carbon dioxide, aldehydes, nitrogen oxides.

EXTINGUISHING MEDIA

Foam, carbon dioxide, dry chemical or water spray.

FIRE FIGHTING INSTRUCTIONS

MATERIAL SAFETY DATA SHEET (LiquaTile 1171 Topcoat Hardener - Part B)

Firefighters should wear goggles and self-contained breathing apparatus to avoid inhalation of hazardous combustion products.

Section 6 – Accidental Release Measures

SMALL SPILL:

Avoid personal contact. Absorb spill with suitable absorbent material (dry sand and earth) and shovel into closed containers. Flush contaminated areas with water.

LARGE SPILL:

Ventilate area. Avoid personal contact. 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

Avoid personal contact. 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 and wash thoroughly with mild soap and water after handling.

STORAGE

Store in tightly 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 or full-face shield is recommended.

Section 9 – Typical Physical and Chemical Properties

BOILING POINT: Not applicable
MELTING POINT: Not applicable
VAPOR DENSITY: Non-volatile
% VOLATILES: NIL
SOLUBILITY IN WATER: Very slight
SPECIFIC GRAVITY: 1.21
ODOR: Mild, amine odor
APPEARANCE: Beige viscous liquid..

Section 10 – Stability and Reactivity

CHEMICAL STABILITY: (CONDITIONS TO AVOID)
Keep away from heat and warm storage areas. Stable.

INCOMPATIBILITY:
Strong oxidizers, acids, and epoxy resins under uncontrolled conditions.

HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon monoxide, carbon dioxide, aldehydes, nitrogen oxides.

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.

2.0% Phenol CAS # 108-95-2

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.