

BLUESTONE PRODUCTS
A TCC Materials Company
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Revision Date
June 2021

Section 1: Product Identification

Product Type: Concrete Sealer

Product Name:

Tenon[™] Paver Seal Pro WB

Section 2: Hazard Identification

No hazards are likely from use of this product.

This product has been evaluated according to GHS and 29CFR1910.1200, Appendix A, and is not classified as a dangerous substance or mixture.

HMIS[®] Rating: Health: 1 Fire: 1 Reactivity: 0
HMIS[®] is a registered trademark of the National Paint and Coatings Association
NFPA 704 Rating: Health: 1 Fire: 1 Instability: 0

Hazard identification:

Classification of the substance or mixture

Classification (GHS):

Class Category Route of exposure

Flammable liquids Category 3

Serious eye damage / eye irritation Category 2A

Reproductive toxicity Category 2 (developmental toxicity)

Chronic aquatic toxicity Category 3

Acute aquatic toxicity Category 3

Label elements

Labelling (GHS):

Pictogram(s):



Signal Word: Warning

H-Code Hazard Statements

H226 Flammable liquid and vapor.

H319 Causes serious eye irritation.

H361d Suspected of damaging the unborn child.

H412 Harmful to aquatic life with long lasting effects.

P-Code Precautionary Statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P243 Take precautionary measures against static discharge.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P370+P378 In case of fire: Use water mist, carbon dioxide or alcohol-resistant foam to extinguish.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container to waste disposal.

Other hazards

The product hydrolyses under formation of ethanol (CAS-Nr. 64-17-5). Ethanol is classified concerning both physical and health hazards. The hydrolysis rate and consequently the relevance for the hazard profile of the product is strongly dependent on the specific conditions.

Section 3: Hazardous Ingredients/Composition

| Ingredient | Typical Percentage* | CAS # |
|--------------------|---------------------|-------------|
| Water..... | 70-90% | 7732-18-5 |
| Polysiloxane | 8-15% | Proprietary |

*Specific chemical identities and concentrations withheld as trade secret. They are available upon request to health professionals, employees and their designated representatives in accord with 29CFR1910.1200(i).

Section 4: First Aid Measures

Inhalation:

Typically not an inhalation hazard. If any irritation develops, move to fresh air. Evaluate conditions of use.

Eye contact:

Hold eyelids apart and flush eyes with plenty of water. At least fifteen minutes of flushing is recommended for any chemical contact. If any irritation persists, get medical attention.

Skin Contact:

Wash off with soap and water.

Ingestion:

Check with the Poison Control Center or a doctor. Do not induce vomiting unless directed to do so by medical personnel.

Symptoms of overexposure: Slight eye irritation could develop from direct contact. Note to physician: Treat according to symptoms. No known specific antidote.

Section 5: Fire Fighting Measures

Fire extinguishing media:

Use extinguisher suitable for surrounding material. For dried material, any Class A fire extinguisher will suffice.

Fire and explosion hazards:

Warning! Vapors are heavier than air and may travel along the ground, be moved by ventilation systems, settle in pits or low areas, and be ignited by ignition sources distant from the handling point.

Consider possible formation of explosive mixtures with air, for example in uncleaned containers.

Special firefighting procedures:

None.

Unusual fire and explosion hazards:

Sharp water jet.

Hazardous combustion products:

Carbon monoxide, carbon dioxide, acrylic monomers.

Section 6: Accidental Release Measures

Prevent further leakage or spill if safe to do so. Contain and soak up with absorbent material. Clean area with detergents (avoid solvent cleaners). Floor may be slightly slippery; use any suitable cleaner.

Do not allow into any sewer, on the ground or into any body of water. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

Section 7: Handling and Storage

To protect the product, keep from freezing or excessive heat.

Keep container tightly closed.

Wash hands after use.

Do not eat, drink, or use tobacco products when handling any chemical products.

Section 8: Exposure Controls/Personal Protection

Occupational Exposure Limits:

| | |
|---|---------------------|
| US. OSHA Table Z-1 Limits for Air Contaminants (28 CFR 19.1.100) | OSHA PEL |
| 2-Butoxyethanol (CAS 11-76-2) | 240 mg/m3 50 ppm |
| US. ACGIH Threshold Limit Values | TWA |
| 2-Butoxyethanol (CAS 11-76-2) | 20 ppm |
| US. NIOSH: Pocket Guide to Chemical Hazards | TWA |
| 2-Butoxyethanol (CAS 11-76-2) | 24 mg/m3 5 ppm |

ACGIH Biological Exposure Indices:

| | Value | Determinant | Specimen | Sampling Time |
|----------------------------------|-------------|---|------------------------|---------------|
| 2-Butoxyethanol (CAS 11-76-2) | 200 mg/g | Butoxyacetic acid (BAA), with hydrolysis | Creatinine in urine | * |

Engineering Controls:

No special ventilation is required

Personal protective equipment

Respiratory protection: Recommendation in case of long or strong exposure: A NIOSH approve air purifying respirator equipped with universal multi-contaminant multi-gas/vapor cartridges.

Hand protection: Neoprene or nitrile rubber gloves

Eye protection: Safety glasses with side shields are recommended to ensure against any eye contact.

Section 9: Physical and Chemical Properties

| | |
|--|-----------------------|
| Appearance: | milky white liquid |
| Odor: | mild odor |
| Flash point: | >145°F |
| Flammable limits: | N/A |
| Boiling Point: | above 212°F |
| Melting point: | Not established |
| Specific Gravity: | 1.05 |
| Density: | 8.5 pounds per gallon |
| Solubility in water: | miscible |
| Evaporation Rate: | not determined. |
| Evaporation rate (butyl acetate = 1): | <1 |
| VOC: | not determined |

Section 10: Stability and Reactivity

Stability: stable

Conditions to avoid: none known.

Incompatibility: strong oxidizing agents.

Hazardous polymerization: will not occur

Section 11: Toxicological Information

Toxicity testing has not been done on product as a whole.

Information on likely routes of exposure:

Inhalation: Potentially fatal if inhaled.

Skin contact: Toxic in contact with skin. Causes skin irritation.
2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.

Eye contact: Causes serious eye irritation.

Ingestion: Harmful if swallowed. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Symptoms related to the physical, chemical, and toxicological characteristics:

Aspiration may cause pulmonary edema and pneumonitis.
Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Information on toxicological effects:

Acute toxicity: Fatal if inhaled. May be fatal if swallowed and enters airways. Toxic in contact with skin.

Skin corrosion/irritation:
Causes skin irritation.

Serious eye damage / eye irritation:
Causes serious eye irritation.

Respiratory or skin sensitization:

Respiratory sensitization:
Not a respiratory sensitizer.

Skin sensitization: This product is not expected to cause skin sensitization.

Germ cell mutagenicity:
No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Further toxicological information**Data related to ingredients:****Product of hydrolysis (Ethanol):**

Ethanol (64-17-5) is readily absorbed at all exposure routes. Ethanol may cause irritation of eyes and mucosa, trigger dysfunction of the central nervous system and cause nausea as well as dizziness. Chronic exposure to high amounts of ethanol may cause damage to liver and central nervous system.

Section 12: Ecological Information

Product as a whole has not been tested.

Ecotoxicity: Most ingredients are considered practically nontoxic to aquatic organisms.

Persistence and degradability

No information available.

Mobility in soil:

Assessment:

Silicone content: Absorbed by floating particles. Separation by sedimentation.

Bioaccumulation: based on ingredients, not likely to bioaccumulate

Section 13: Disposal Considerations

Do not sewer or dump on the ground

As provided, not a RCRA-regulated waste.

Dispose of in accordance with federal, state, and local regulations. Dried material may usually be disposed of as industrial solid waste.

Section 14: Transportation

DOT

UN number: NA 1993

UN proper shipping name:

COMBUSTIBLE LIQUID, N.O.S. (ETHYLENE GLYCOL,
MONOBUTYL ETHER)

Transport hazard class(es):

Class COMBUSTIBLE LIQUID

Subsidiary risk -

Packing group: III

Special precautions for user:

Read safety instructions, SDS and emergency procedures
before handling.

ERG number: 128

DOT information on packaging may be different from that listed.

Section 15: Regulatory Information

U.S. Federal regulations**TSCA inventory status and TSCA information:**

This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance

Inventory.**TSCA 12(b) Export Notification:**

This material does not contain reportable amounts of any TSCA 12(b) listed chemicals.

CERCLA Regulated Chemicals:

This material does not contain any CERCLA regulated chemicals.

SARA 302 EHS Chemicals:

This material does not contain any SARA extremely hazardous substances.

SARA 311/312 Hazard Class:

Fire hazard.

SARA 313 Chemicals:

This material does not contain any SARA 313 chemicals above de minimus levels.

HAPS (Hazardous Air Pollutants):

CAS No. Chemical Upper limit wt. %
108-88-3 Toluene <=0.2900

U.S. State regulations**California Proposition 65 Carcinogens:**

This material does not contain any chemicals known to the State of California to cause cancer.

California Proposition 65 Reproductive Toxins:

108-88-3 Toluene

Massachusetts Substance List:

This material contains no listed components.

New Jersey Right-to-Know Hazardous Substance List:

This material contains no listed components.

Pennsylvania Right-to-Know Hazardous Substance List:

This material contains no listed components.

Section 16: Other Information

Additional information on the product is available at: www.tccmaterials.com

Date and Revision: 16 June 2021, Revision 1

NOTE: The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products. Before using any product, read its label and safety data sheet.