

NeverStrip™
FLOOR COATINGS

NeverStrip Ceramic Bond™



Section [1] Product and Company Identification

Product Name: NeverStrip Ceramic Bond

Description: Adhesion promoter for Tile and Grout flooring

Manufacturer: NeverStrip Floor Coatings, 9600 Ogden Avenue, La Grange, IL 60525

Information: 800.854.5414

Emergency: (800).424.9300

E-mail: Info@NeverStrip.com

Prepared by: NeverStrip Floor Coatings

Date Prepared: 07/01/16

Section [2] Health Hazard Identification

Global Hazard System

Hazard Symbols:

Key Word: DANGER!



Emergency Overview: DANGER! Very toxic by inhalation.

Harmful or fatal if swallowed. Causes severe eye and skin irritation, possibly burns. Corrosive if swallowed. Harmful if absorbed through skin.

Aspiration may cause lung damage. May cause allergic respiratory or skin reaction.

May cause dizziness and drowsiness. May cause liver damage.

Potential Health Effects

Eye: CORROSIVE. Contact with eyes is painful and irritating and may cause chemical burns, necrosis and permanent injury. May also cause excess blinking, tear production, marked redness of the conjunctivae, swelling. Vapor may cause moderate to severe irritation. Symptoms similar to those from contact.

Skin: Corrosive and irritating. Chemical burns may result from contact. Causes the following effects – discomfort or pain, marked local redness, swelling. Prolonged and /or widespread contact may result in absorption of potentially harmful amounts of material. May cause allergic reaction.

Ingestion: Corrosive and irritating to digestive tract. Affects mouth, throat, esophagus and stomach. Moderately toxic. May causes discomfort or pain in the mouth, throat, chest and abdomen. Symptoms may include nausea, vomiting, diarrhea, dizziness, faintness, weakness, drowsiness, thirst, confusion, drunken behavior, and coma.

Inhalation: Very toxic. Causes irritation of the respiratory tract and mucous membranes. Causes the following effects: nasal discomfort and discharge, chest pain, coughing. High concentrations of vapor may result in the inhalation of harmful amounts of material. May cause allergic reaction.

Chronic Effects/Carcinogenicity

NTP Listed: No

IARC Group 1 or 2A: No

OSHA Regulated: No

Section [3] Composition/Information on Ingredients

Ingredients	CAS#	Wt%
gamma-Isocyanatopropyltriethoxysilane	24801-88-5	>60
Organofunctional silane	Proprietary	5-10
Ethanol*	64-17-5	0.1-1.0

OSHA Regulatory Status: This product is classified as hazardous under OSHA regulations.

*Additional ethanol may be formed by reaction with moisture.

Section [4] First-Aid Measures

Eye: Immediately flush eyes with clear running water for 15 minutes while holding eyelids open; seek immediate medical attention. Remove contact lenses if easy to do so.

Skin: Remove contaminated clothing; wash affected area with soap and water. Seek immediate medical attention. Launder contaminated clothing separately before reuse or discard. Contaminated clothing should not leave the workplace.

Ingestion: Rinse mouth. Immediately give large quantities of water (or milk) to drink if person is conscious. Do NOT induce vomiting. Seek immediate medical attention.

Inhalation: Remove affected person to fresh air. Wash mouth and nasal passages with water repeatedly. Provide oxygen if breathing is difficult; if affected person is not breathing, administer CPR and seek emergency medical attention.

Section [5] Fire-fighting Measures

Flammable properties

Flash point: 171°F (77°C) [Pensky-Martens closed cup]

Extinguishing Media: Carbon dioxide, water fog, dry chemical, chemical foam

Media NOT to be used: None known

Fire and Explosion Hazards: Closed containers can explode due to buildup of pressure when exposed to extreme heat. Do not use direct stream of water on pool fires as product may reignite on water surface. **Caution - Material will support combustion!**

Fire-fighting Instructions: Firefighters must wear full face piece, self-contained breathing apparatus in positive pressure mode. Cool containers to prevent pressure buildup and possible explosion when exposed to extreme heat.

Caution-Product is corrosive.

Hazardous Decomposition Products: Smoke, fumes, oxides of carbon and nitrogen

Section [6] Accidental Release Measures

Steps to Be Taken In Case Material Is Released or Spilled

Caution – Corrosive, Combustible. Evacuate and ventilate area; remove all sources of; notify the National Response Center (800) 424-8802; refer to CERCLA (40 CFR § 302) and SARA Title III, Section 313 (40 CFR § 372) for detailed instruction concerning reporting requirements; Slipping hazard. Wear appropriate personal protective equipment. Do not wash to sanitary sewer. Do not discharge into lakes, ponds, streams or public waters

Section [7] Handling and Storage

Handling: Do not breathe vapor. Do not swallow. Use with adequate ventilation. Avoid contact with skin, eyes and clothing. Workers sensitized to other isocyanates should not handle this material. Attention: not for injection into humans. Keep away from food and drink. Wash hands before eating.

Storage: Corrosive and combustible. All sources of ignition should be controlled. Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures, open flames. **CAUTION – product is corrosive.** This material will support combustion. Keep this and other chemicals out of reach of children.

Section [8] Exposure Control/ Personal Protection

Engineering Controls: The use of local exhaust ventilation is recommended to control emissions near the source. Provide mechanical ventilation of confined spaces. Use corrosion resistant, explosionproof ventilation equipment.

Respiratory Protection: Respirator with an ABEK filter; at high concentration, use respiratory protection with independent air supply. If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA 29 CFR 1910.134, CSA Z94.4-93, or European Standard EN 149.

Skin Protection: Chemical resistant gloves.

Eye Protection: Chemical splash goggles; safety eyebath nearby. If splashing may occur, use face shield.

Refer to 29 CFR 1910.133, CSA Z94.3-M1982, or European Standard EN166.

Other Protective Clothing or Equipment: Individuals should wear a long-sleeved shirt, long pants, and chemical-resistant footwear when mixing or applying. Portable eye wash bottle filled with pure water or a permanent eye wash station must be nearby.

Exposure Guidelines

Chemical	OSHA PEL		ACGIH TWA	
	ppm	mg/m3	ppm	mg/m3
Ethyl alcohol	1000	1900	1000	

Section [9] Physical and Chemical Properties

Appearance: Pale yellow liquid

Odor: Ester-like

Boiling Point: 460°F (238°C)

Freezing Point: <32°F (<0°C)

Vapor Pressure: <1mm Hg @ 20°C

Solubility in Water: Reactive

Specific Gravity: Not determined

pH: Not determined

Volatile Organic Compounds: <0.05g/l

Viscosity: Not determined

Flash Point [Method]: 171°F (77°C) [Pensky-Martens closed cup]

Flammable Limits LEL: Not determined

UEL: Not determined

Section [10] Stability and Reaqtivity

Stability: Stable

Materials to Avoid: Alcohols, oxidizing agents. Reacts violently if combined with alkalis. Reacts with water or moisture to form ethanol.

Conditions to Avoid:None

Hazardous Decomposition Products:

Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes or vapors, and smoke may be produced.

Hazardous Polymerization: Avoid contact with water, high temperatures, heat.

Section [11] Toxicological Information

Component	LD50Oral (rat)	LD50Dermal (rabbit)	LC50 nhalation (rat)
gamma Isocyanatopropyltriethoxysilane	8710mg / kg	1260 mg/kg	0.36 mg/l
Ethyl alcohol	9.9 g/kg	NA	20,000 ppm /10-hour

Section [12] Exological Information

No data is available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.

Section [13] Disposal Considerations

Dispose of in accordance with Local, State, Provincial, and Federal Regulations. This product may produce hazardous vapors in a closed disposal container creating a dangerous environment. Refer to 40 CFR §§ 260 – 299 for complete waste disposal regulations for corrosive materials. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals. Do not flush to sanitary sewer or waterway.

Section [14] transport Information

US DOT

Proper Shipping Name: Toxic liquid, corrosive, organic, n.o.s (gamma-Isocyanatopropyltriethoxysilane)

Hazard Class: 6.1 (8)

UN Number: UN 2927

Packing Group: II

Special Instructions: 49 CFR §§173.153; 173.202; 173.243

IATA

Proper Shipping Name: Toxic liquid, corrosive, organic, n.o.s (gamma-Isocyanatopropyltriethoxysilane)

Hazard Class: 6.1 (8)

UN Number: UN 2927

Packing Group: II

Special Instructions: Y609; 609; 611

IMDG

Proper Shipping Name: Toxic liquid, corrosive, organic, n.o.s (gamma-Isocyanatopropyltriethoxysilane)

Hazard Class: 6.1 (8)

UN Number: UN 2927

Packing Group: II

Special Instructions: 274; P001; IBC02; TP11; TP2; TP27

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EC, Canadian TDG, and United Nations TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

Section [15] Regulatory Information

TSCA (Toxic Substance Control Act): All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume Exemption has been granted in accordance with 40 CFR 723.50.

SARA TITLE III (Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories

Immediate health

Chronic health

Fire

313 Reportable Ingredients: None

CERCLA (Comprehensive Response Compensation and Liability Act): None

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986
There are no chemicals present known to the state of California to cause cancer or reproductive toxicity.

CANADA**CPR (Canadian Controlled Products Regulations)**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. WHMIS Classification: B3, D1B, D2B, E

DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)

Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 3 unless otherwise indicated.

Section [16] Other Information**HMIS Hazard Ratings****HMIS System**

Health 3* **Flammability 2** **Physical Hazard 2** **Protection H**

0 = Insignificant hazard, 2 = Moderate, 3 = High, 4 = Extreme * = Chronic health hazard,
H=Safety Goggles, Gloves, Apron, Vapor Respirator

Disclaimer: The information contained herein is based on the data available to us and is believed to be correct. NeverStrip Floor Coatings makes no warranty expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. NeverStrip Floor Coatings assumes no responsibility for injury, loss or damage from the use of the product described.

NeverStrip Floor Coatings, 800.854.5414 www.NeverStrip.com

For Hazardous Materials Incident: Spill, Leak, Fire, Exposure, or Accident

Call CHEMTREC (24 hours) USA and Canada: 800.424.9300