

Section I-Product Identification

Starpatch Concrete Products
#5-6420 Beresford Street
Burnaby BC V5E 1B6
Emergency Phone # 1-866-779-5278

Revision Date: Oct 2019

Product Name:
Technik Primeactive

Product Use: Bonding agent and mortar additive

Section II- Hazard Identification

Classification of Product

OSHA Regulatory Status:

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Emergency Overview:

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance: Milky liquid

Physical state: Liquid

Odor: Slight

Hazards not otherwise classified (HNOC)

Other Information: Toxic to aquatic life with long lasting effects

Unknown Acute Toxicity

Precautionary Statements:

If swallowed, rinse mouth

If in eyes, rinse with water for several minutes, if require remove contact lenses and continue rinsing.

If significant skin irritation or rash occurs, seek medical attention.

Additional Information:

Precautions must be observed because burns can occur with little warning and little heat sensation.

HNOC-Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered. If the product adheres to skin, irritation may occur when it dries.

According to Controlled Products Regulations (CPR) (SOR/88-66) Emergency overview
No particular hazards known.

Section III- Ingredients/Identity info

Ingredients	CAS Number	% by Weight
	Trade Secert	<40

*The exact percentage (concentration) of composition has been withheld as a trade secret.

Section IV- First Aid Measures

Description of the first-aid measures General information:

Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin Contact: Wash skin with soap and water. Wash contaminated clothing before reuse.

Inhalation: Remove to fresh air.

Ingestion: Clean mouth with water and drink afterwards.

Most important symptoms/effects, acute and delayed:

Symptoms: No information available.

Indication of any immediate medical attention and special treatment needed:

Note to physicians: Treat symptomatically.

Section V- Fire Fighting Measures

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical, CO₂, alcohol-resistant foam or water spray.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical: No information available.

Explosion data: Sensitivity to Mechanical Impact: None.

Sensitivity to Static Discharge: None.

Protective equipment and precautions for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section VI- Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation, especially in confined areas.

Environmental precautions: See section 12 for additional ecological information.

Methods and material for containment and cleaning up: Prevent further leakage or spillage if safe to do so. Dike far ahead of spill; use dry sand to contain the flow of material.

Methods for cleaning up: Pick up and transfer to properly labeled containers.

Section VII- Precautions for safe handling and storage

Advice on safe handling: Handle in accordance with good industrial hygiene and safety practice.

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. None known based on information supplied.

Incompatible materials: None known based on information known.

Section VIII- Exposure Control Measures/Personal Protection

Exposure Guidelines: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls:

Engineering Controls: Showers

Eyewash stations

Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection: No special technical protective measures are necessary.

Skin and body protection: No special technical protective measures are necessary.

Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice

Section IX- Physical and Chemical Properties

Form:	liquid, dispersion
Odor:	faint odour
Odor threshold:	No data available.
Colour:	white
pH value:	approx. 9 - 10

Water

Melting point:	0°C
Water Boiling point:	100 °C
Flash point:	> 148 °C
Flammability:	not flammable
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Vapour pressure:	23.4 hPa. (20C)
Density:	approx. 1 g/cm ³ (20C)
Relative density:	No data available.
Vapour density:	not determined
Partitioning coefficient noctanol/water (log Pow):	not applicable
Self-ignition	not self-igniting
Viscosity, dynamic:	approx. 30 – 100 mPa.s
Solubility in water:	partly soluble
Miscibility with water:	miscible
Other Information:	Range of particle size: < 0,1 µm - 10 µm

Section X- Stability and Reactivity

Reactivity: No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals: Corrosive effects to metal are not anticipated.

Oxidizing properties: not fire-propagating

Chemical stability: The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions: No hazardous reactions when stored and handled according to instructions. After long storage, slight quantities of carbon monoxide may be formed.
The product is chemically stable.

Conditions to avoid: Avoid extreme heat.

Incompatible materials: metal salts

Hazardous decomposition products:

Decomposition products: Hazardous decomposition products: carbon dioxide, carbon monoxide, hydrocarbons

Section XI- Toxicological Information

Primary routes of exposure: Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects: Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation. Ingestion may cause gastrointestinal disturbances. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Oral:

Type of value: LD50

Species: rat

Value: > 2,000 - 10,000 mg/kg

Inhalation: Type of value: ATE

Value: > 5 mg/l Exposure time: 4 h Determined for mist

Dermal: Type of value: ATE Value: > 5,000 mg/kg

Assessment other acute effects:

Assessment of STOT single: Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Irritation / corrosion:

Assessment of irritating effects: Not irritating to eyes and skin. May cause mechanical irritation. If the product adheres to skin, irritation may occur when it dries. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Skin

Species: rabbit

Result: non-irritant
Method: OECD Guideline 404

Eye

Species: rabbit
Result: non-irritant
Method: OECD Guideline 405

Sensitization

Assessment of sensitization: Skin sensitizing effects were not observed in animal studies. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Aspiration Hazard: not applicable

Chronic Toxicity/Effects:

Repeated dose toxicity

Assessment of repeated dose toxicity: No adverse effects were observed after repeated exposure in animal studies. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Genetic toxicity

Assessment of mutagenicity: The substance was not mutagenic in bacteria. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.
Carcinogenicity

Assessment of carcinogenicity: The whole of the information assessable provides no indication of a carcinogenic effect.

Reproductive toxicity

Assessment of reproduction toxicity: Not expected to cause reproductive toxicity (based on composition).

Teratogenicity

Assessment of teratogenicity: The data available for an assessment of the effect of the substance on developmental toxicity are not sufficient for a proper evaluation.

Experiences in humans: According to experience, the product is considered to be harmless to health if used in the correct manner.

Other Information: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The statement was derived from products of similar composition.

Symptoms of Exposure: No significant symptoms are expected due to the non-classification of the product.

Section XII- Ecological Information

Toxicity

Toxicity to fish:

LC50 (96 h) > 100 mg/l, Brachydanio rerio (OECD Guideline 203, static)

Aquatic invertebrates:

EC50 (48 h) > 100 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)

Aquatic plants:

EC50 (72 h) > 100 mg/l, Scenedesmus subspicatus (OECD Guideline 201) Nominal concentration.

Microorganisms/Effect on activated sludge

Toxicity to microorganisms:

DIN EN ISO 8192-OECD 209-88/302/EEC,P. C activated sludge, domestic/EC20 (0.5 h): > 100 mg/l

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Persistence and degradability

Assessment biodegradation and elimination (H2O)

The product can be virtually eliminated from water by abiotic processes e.g. adsorption onto activated sludge.

Elimination information

> 70 % DOC reduction (OECD 302B; ISO 9888; 88/302/EEC,part C) Easily eliminated from water.

Bioaccumulation potential

Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.

Mobility in soil

Assessment transport between environmental compartment: No data available.

Additional information:

Absorbable organically bound halogen (AOX): No data available.

Other ecotoxicological advice: Do not release untreated into natural waters. At the present state of knowledge, no negative ecological effects are expected. Ecological data are determined by analogy.

Section XIII- Disposal Considerations

Waste disposal of substance: Must be sent to a suitable incineration plant, observing local regulations. Incinerate or dispose of in a licensed facility. Do not discharge into drains/surface waters/groundwater.

Container disposal: Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

Section XIV- Transport Information

Land transport: TDG Not classified as a dangerous good under transport regulations

Sea transport: IMDG Not classified as a dangerous good under transport regulations

Air transport: IATA/ICAO Not classified as a dangerous good under transport regulations

Section XV- Regulatory Information

Federal Regulations

Registration status:

Chemical DSL, CA released / listed Not WHMIS controlled

Section XVI- Other Information

Updated: October 23, 2019

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.